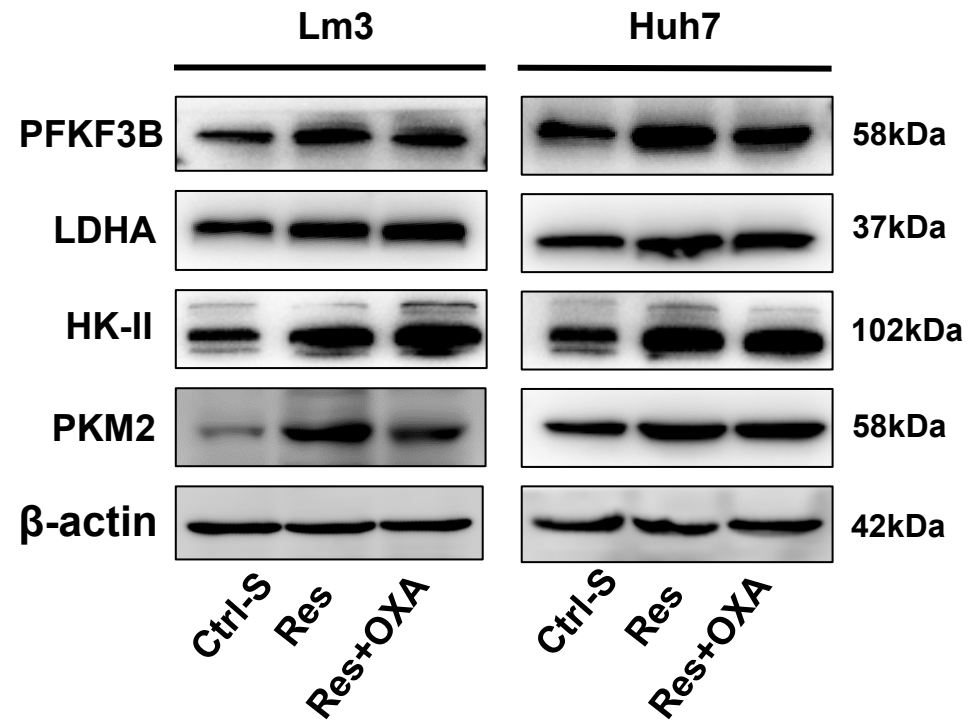


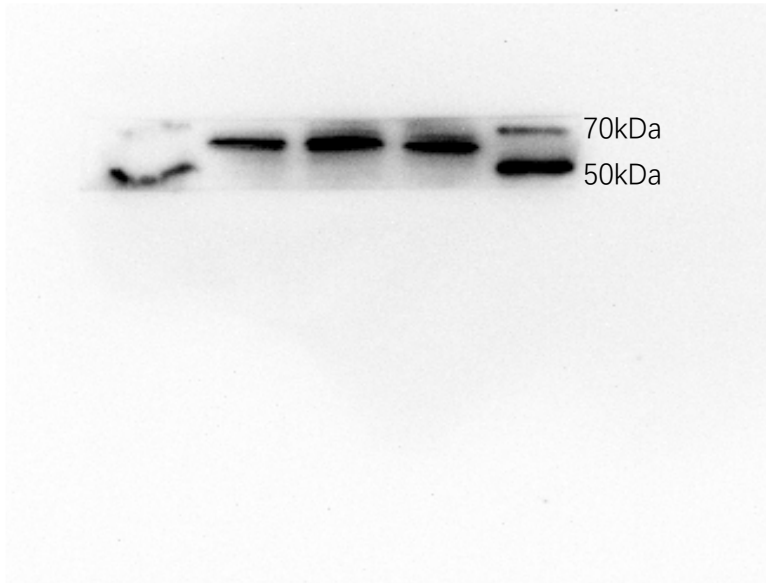
The markers were purchased from Yazyme Biotechnology Co., Ltd. (WJ101, China), and their molecular weights are indicated in the figure. For our experiments, we utilize 10% or 12.5% SDS-PAGE gels. After transferring to a PVDF membrane (ISEQ00010, Merck KGaA, Darmstadt, Germany), we cut out the respective membrane segment based on the target protein's molecular weight and the intervals as indicated by the marker. Subsequently, the corresponding primary antibody for the target protein is incubated. Finally, the development of the western blot is carried out using ProteinSimple FluorChemE, eBlot Touch Imager, and Bio-Rad ChemiDoc western blot imaging system.

Figure.1E

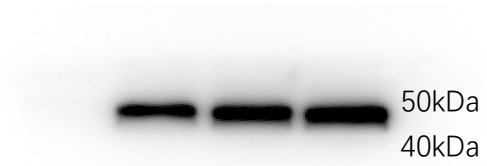


Lm3

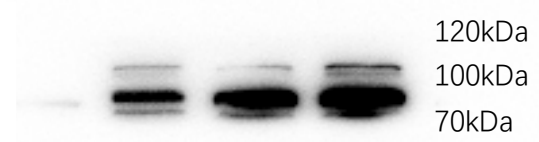
PFKF3B 58kDa



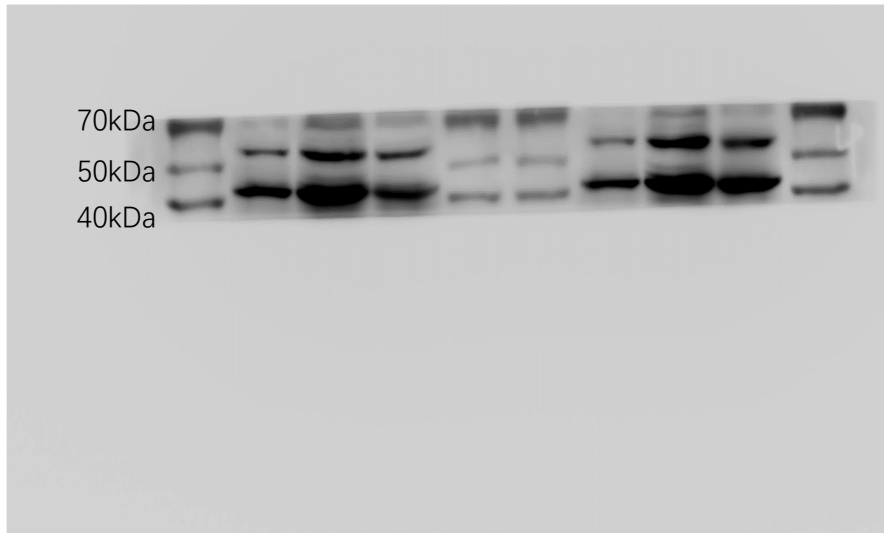
LDHA 37kDa



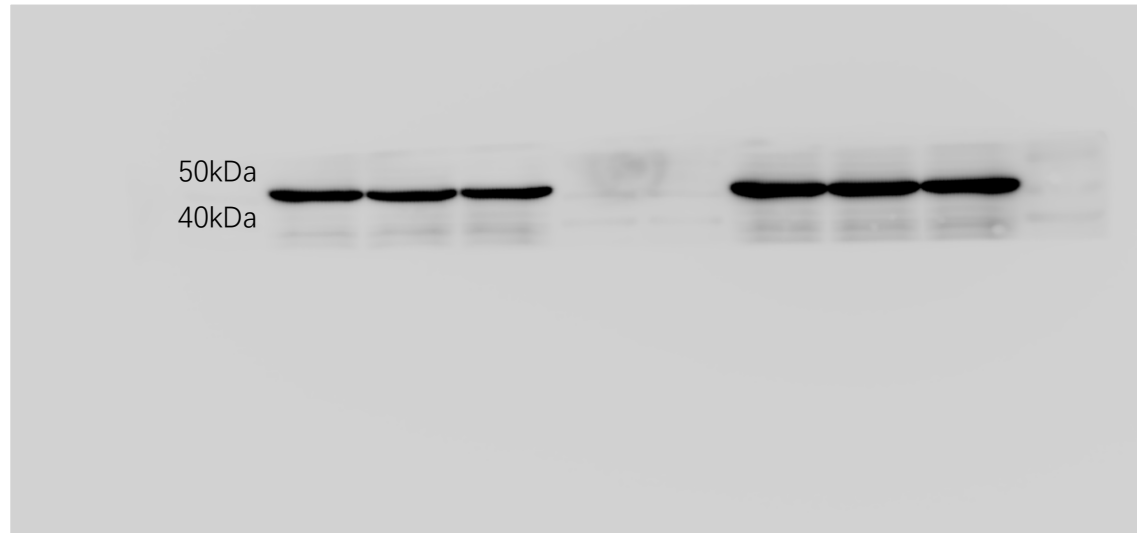
HK-II 102kDa



PKM2 58kDa

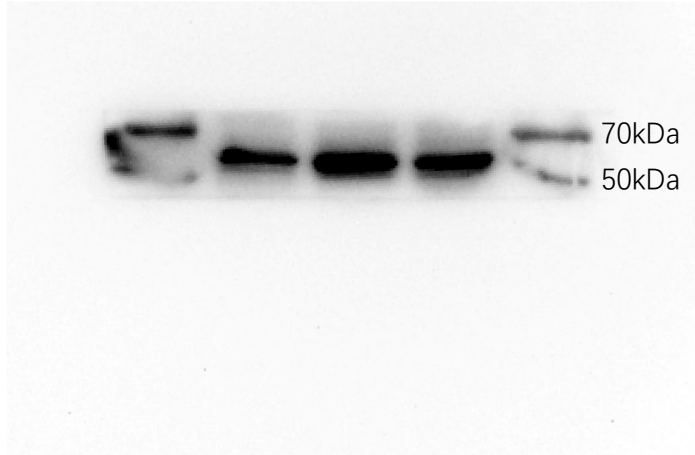


β -actin 42kDa

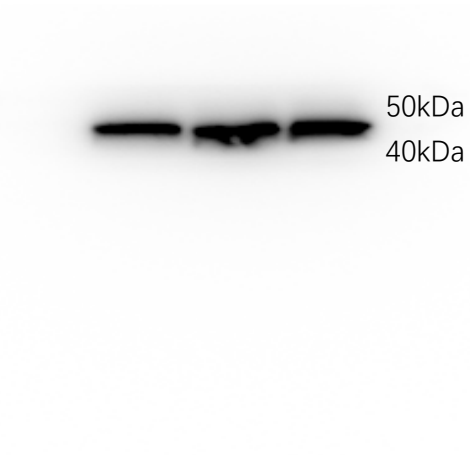


Huh7

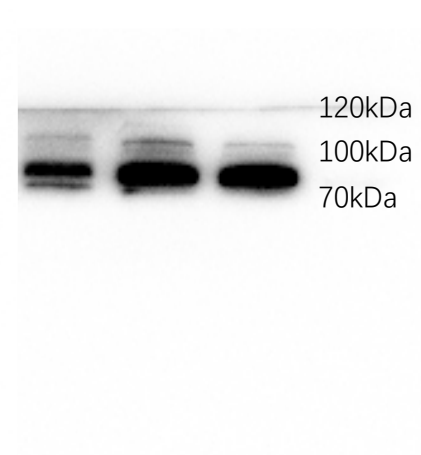
PFKF3B 58kDa



LDHA 37kDa



HK-II 102kDa



PKM2 58kDa

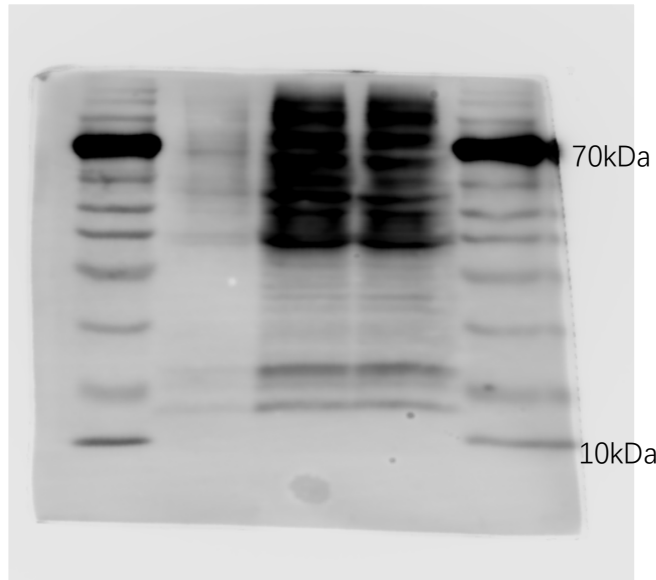


β -actin 42kDa

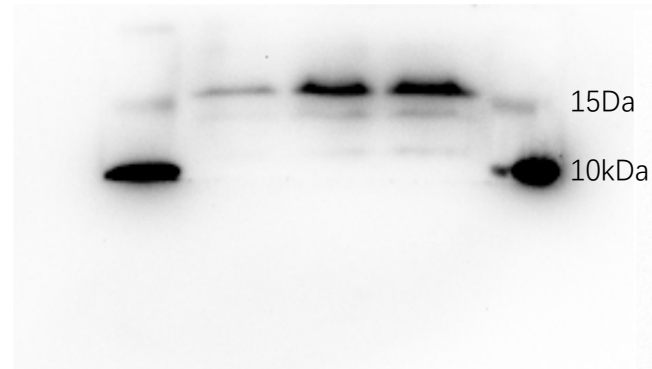


Lm3

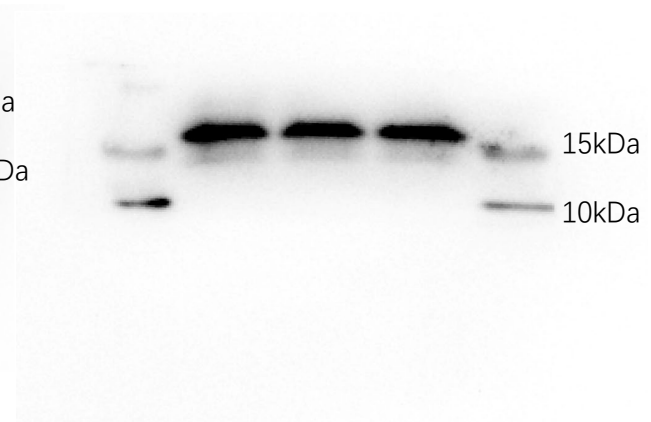
Pk1a 10-250kDa



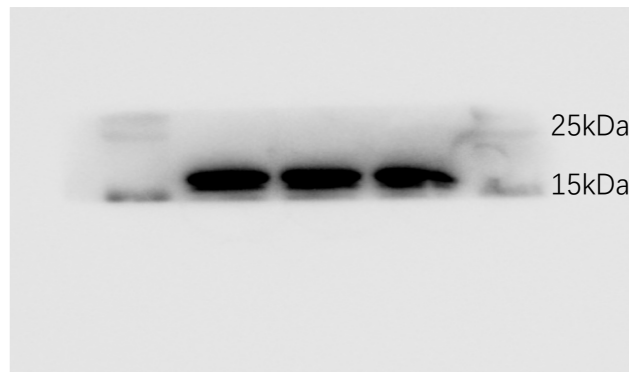
H3K141a 18kDa



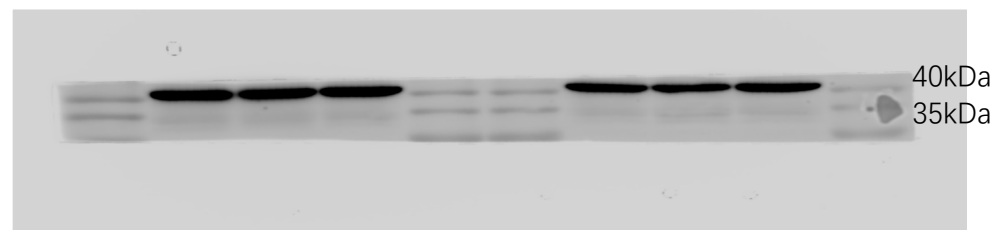
H3K151a 18kDa



Histone H3 18kDa

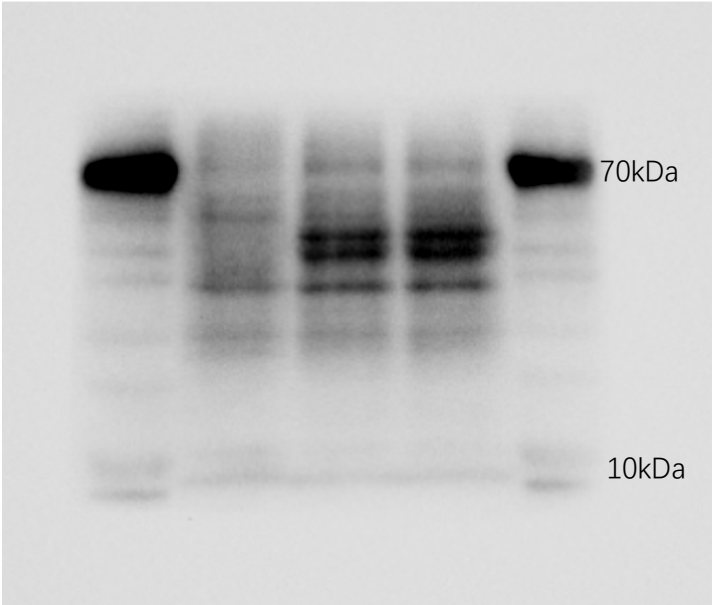


β -actin 42kDa

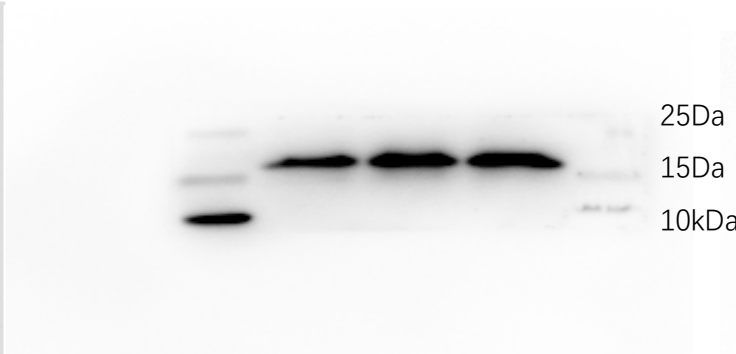


Huh7

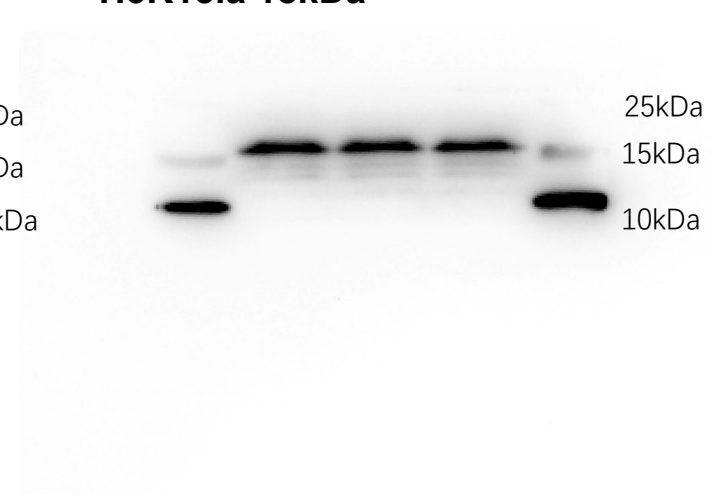
Pk1a 10-250kDa



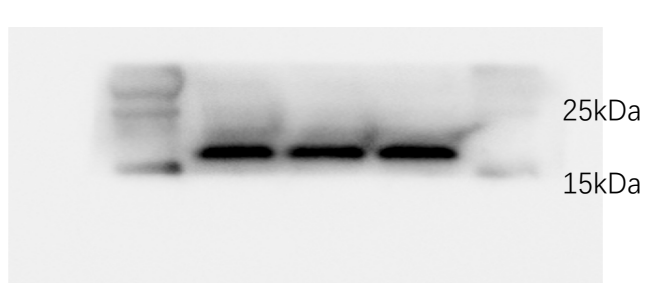
H3K141a 18kDa



H3K151a 18kDa



Histone H3 18kDa



β -actin 42kDa

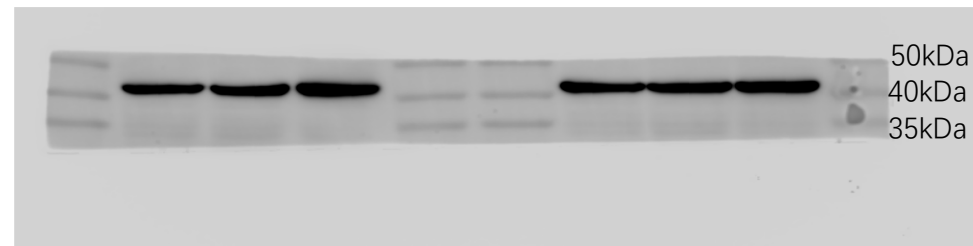
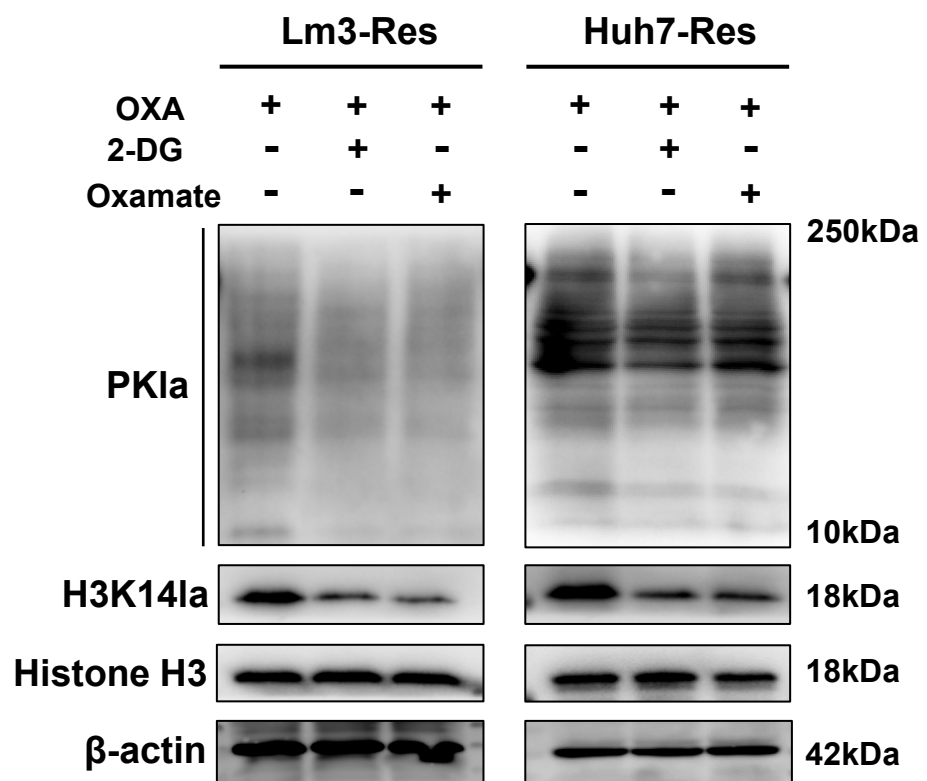
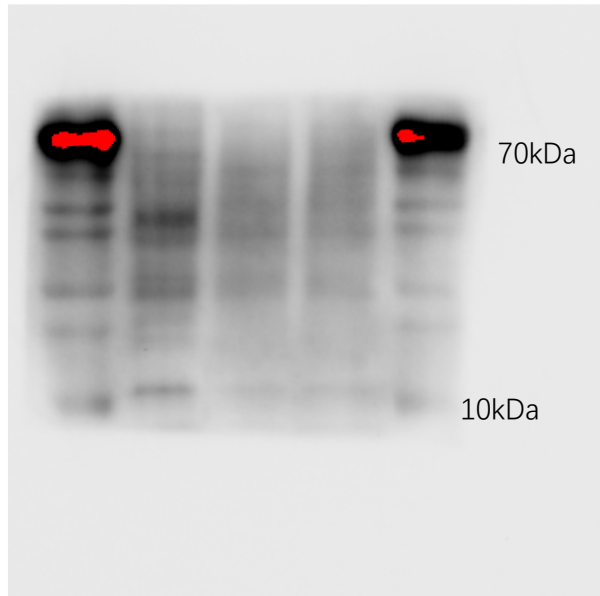


Figure.2B

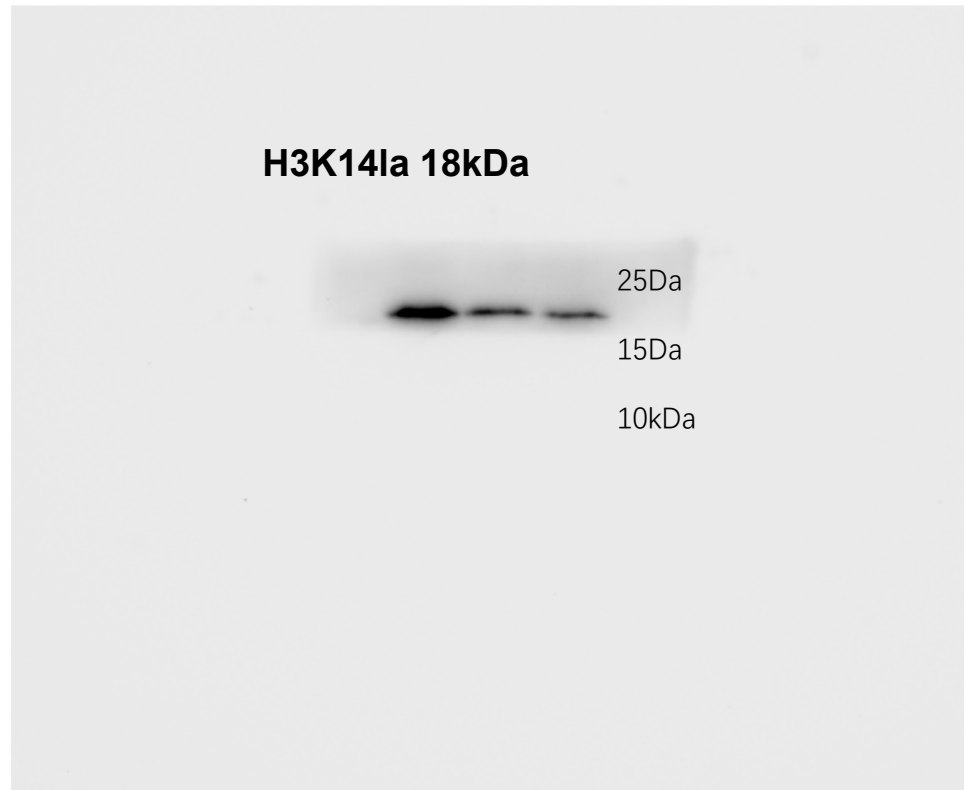


Lm3-Res

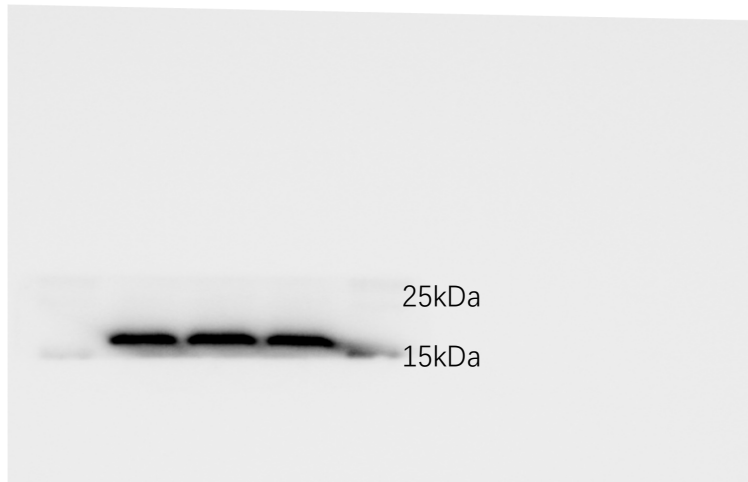
Pk1a 10-250kDa



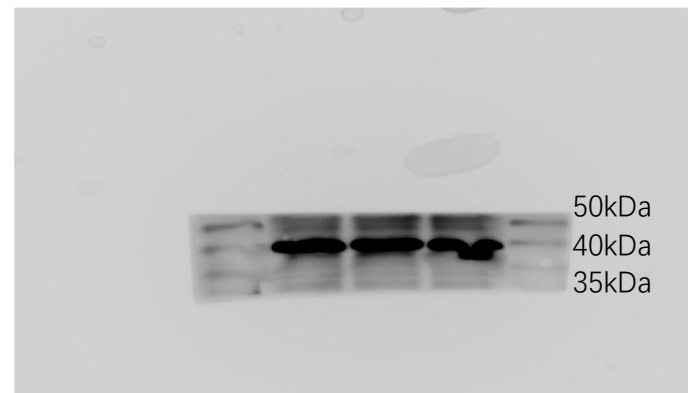
H3K141a 18kDa



Histone H3 18kDa

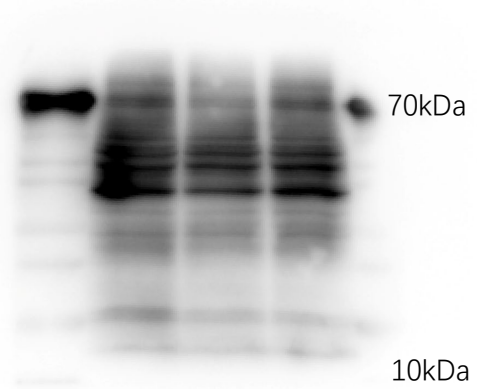


β -actin 42kDa

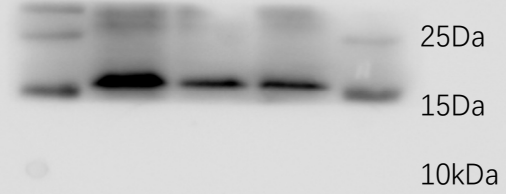


Huh7-Res

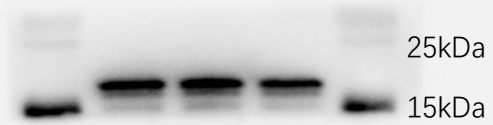
Pk1a 10-250kDa



H3K141a 18kDa



Histone H3 18kDa



β -actin 42kDa

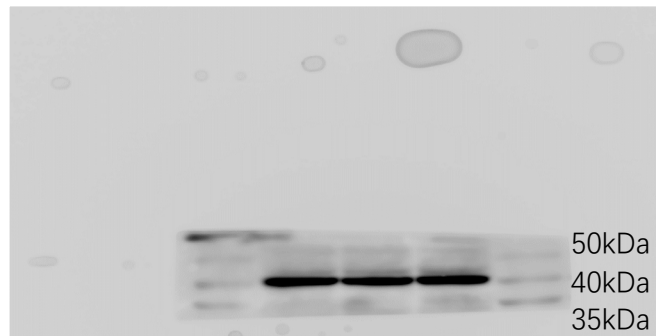
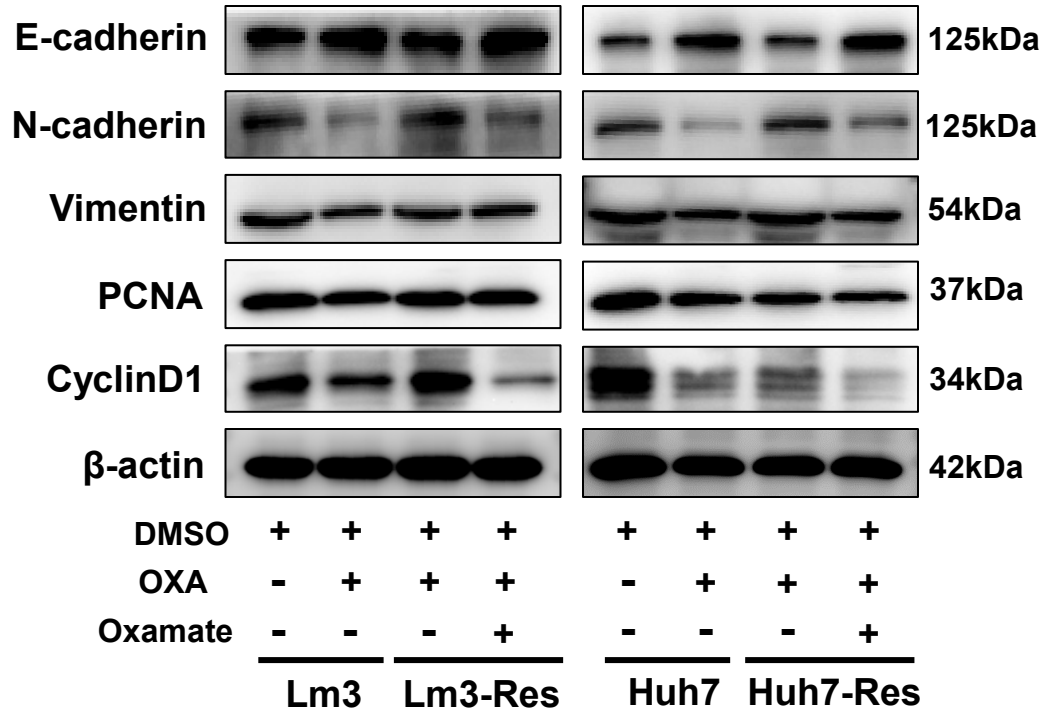
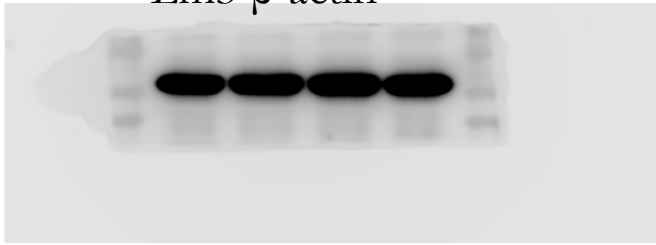


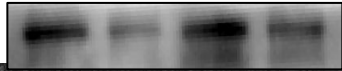
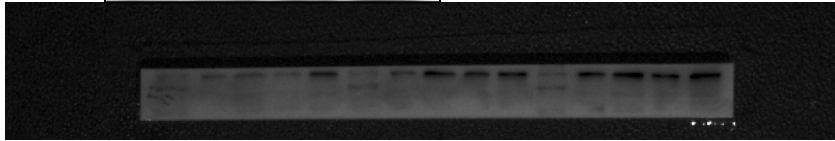
Figure.2F



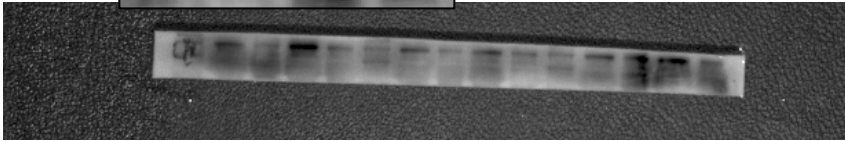
Lm3 β -actin



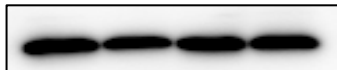
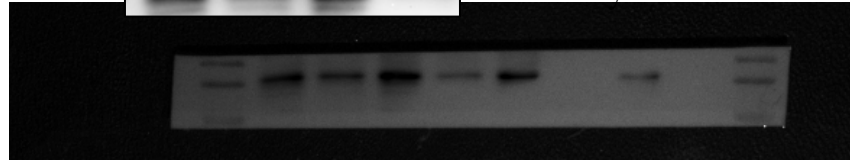
lm3 E-cadherin



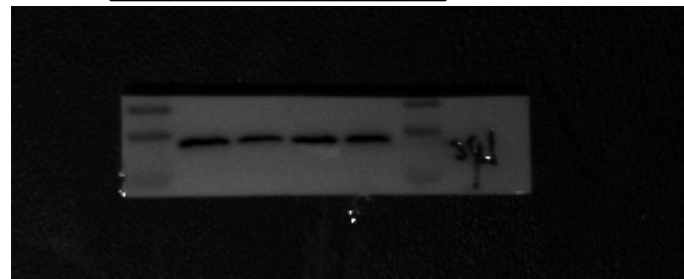
lm3 N-cadherin



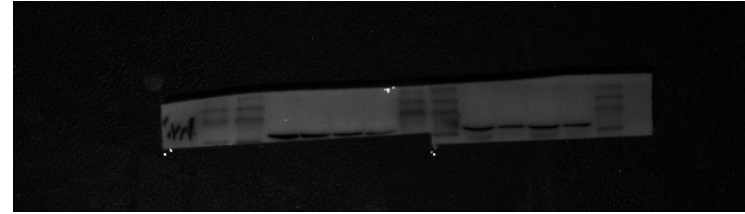
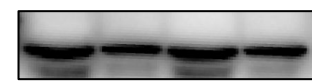
Lm3 CyclinD1 37kDa



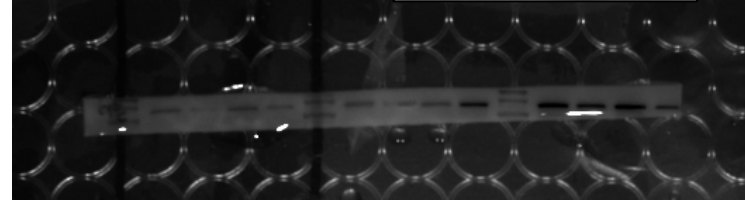
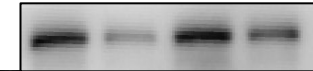
PCNA 37kDa



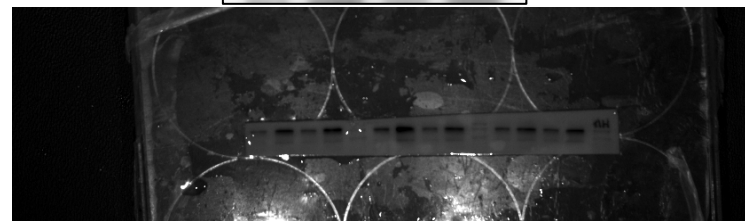
Huh7 Vimentin



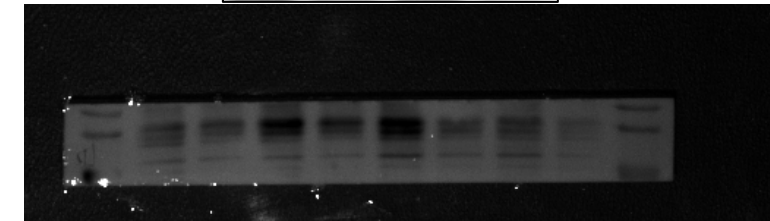
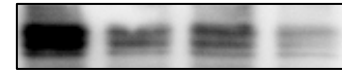
Huh7 N-cadherin



Huh7 E-cadherin



Huh7 CyclinD1 37kDa



Huh7 β -actin

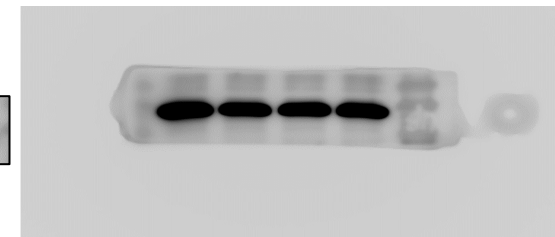
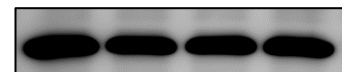
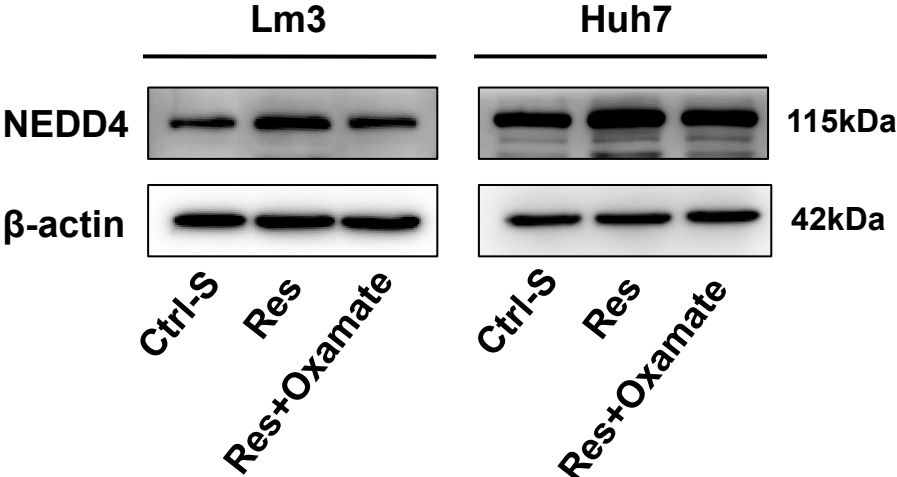
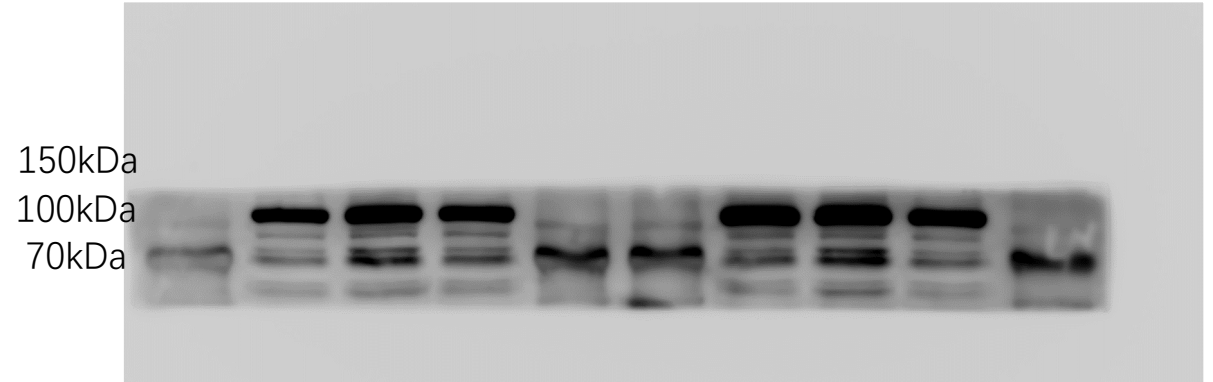


Figure.3G



Huh7 NEDD4 115kDa



Lm3 NEDD4 115kDa



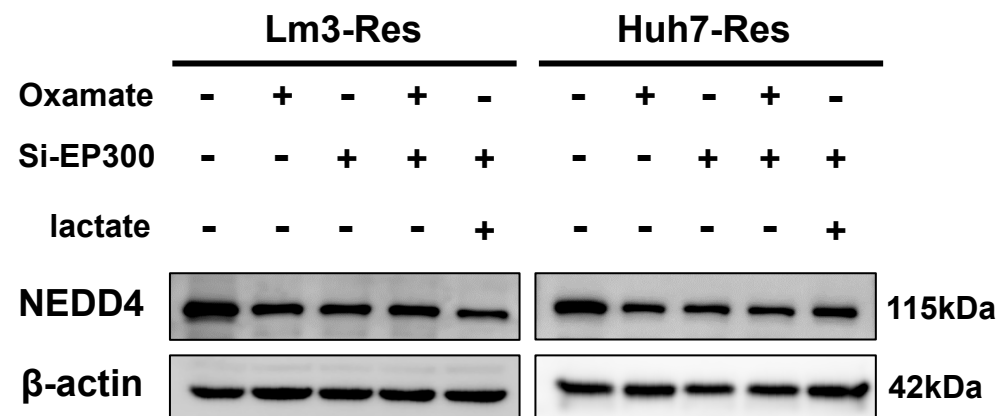
Huh7 β -actin 42kDa



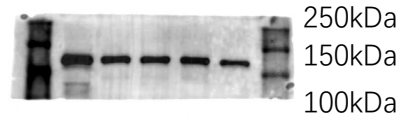
Lm3 β -actin 42kDa



Figure.3H



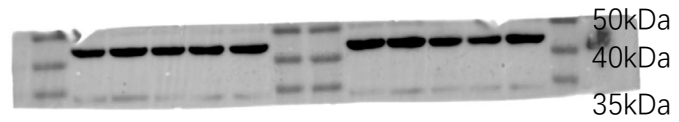
Lm3 NEDD4 115kDa



Huh7 NEDD4 115kDa



Lm3 β -actin 42kDa



Huh7 β -actin 42kDa

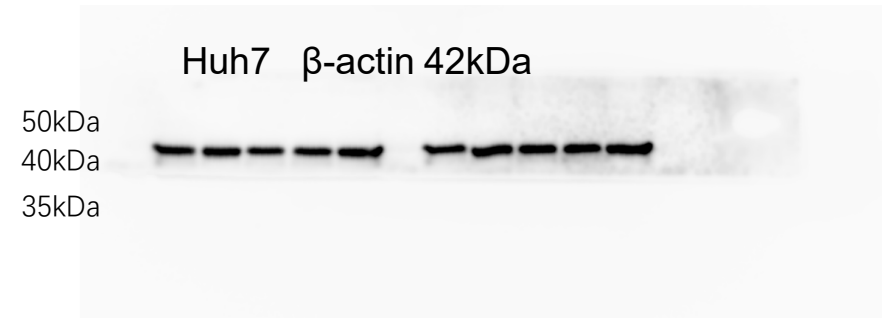
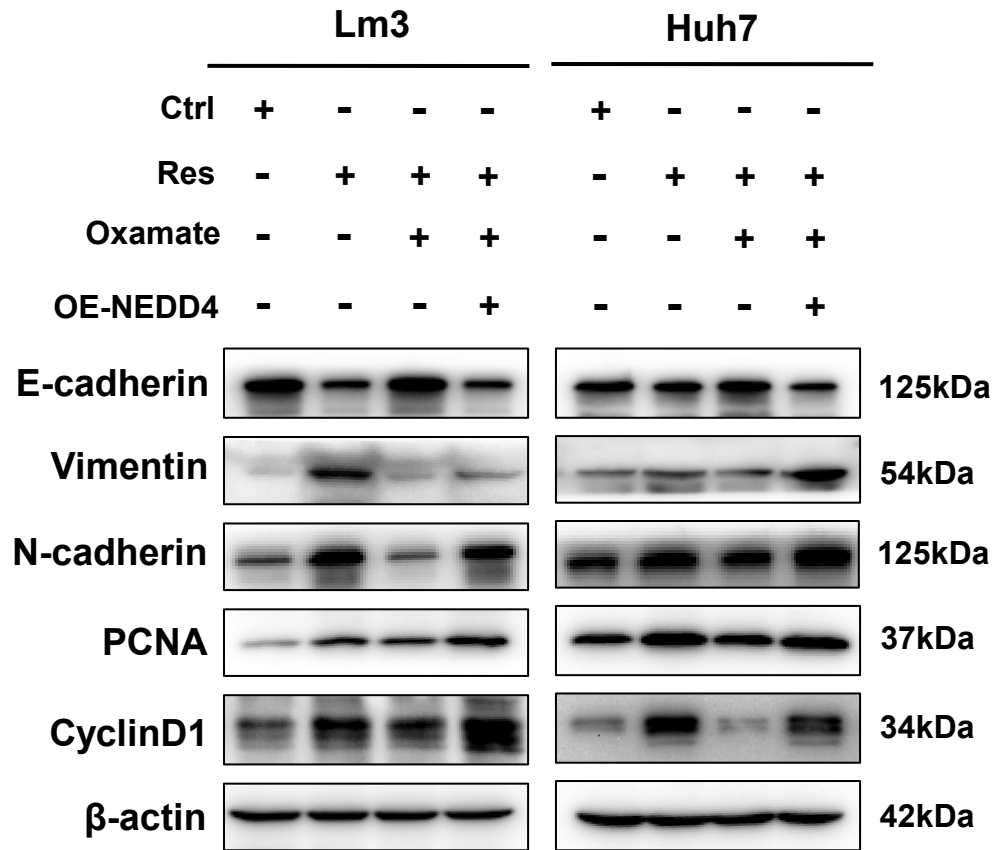
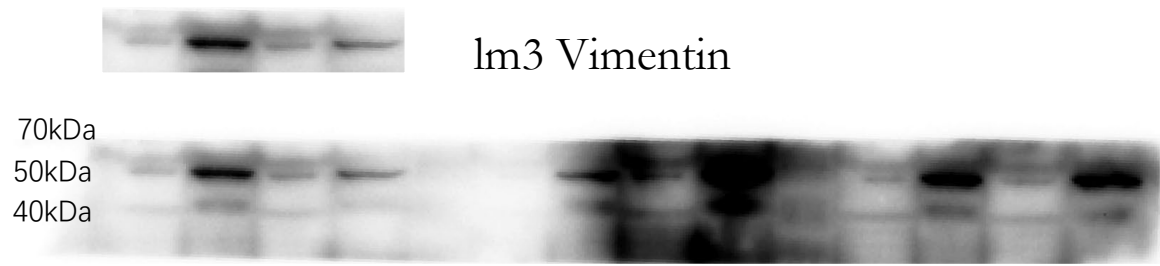
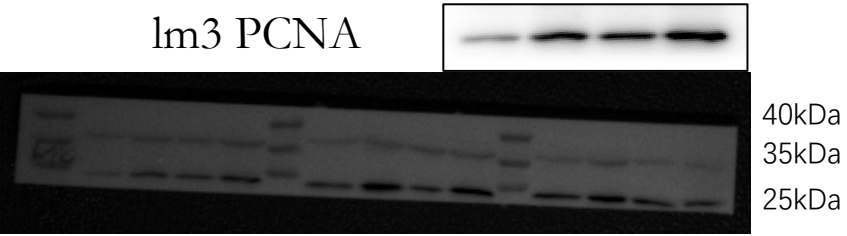


Figure.4E

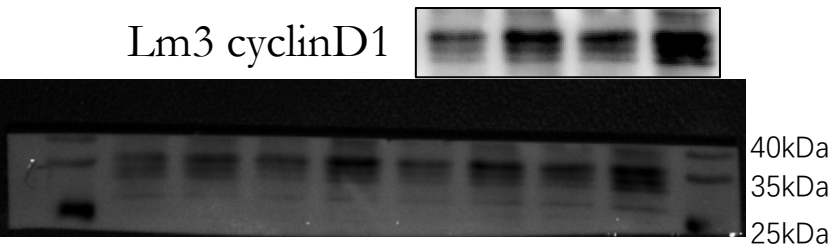




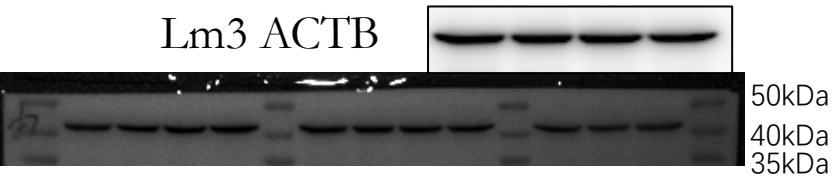
Im3 PCNA



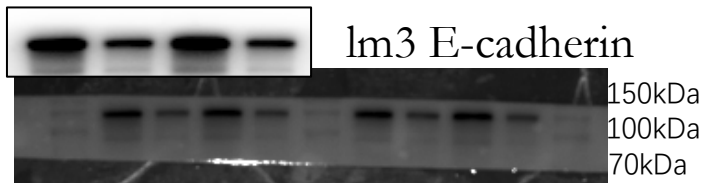
Im3 cyclinD1



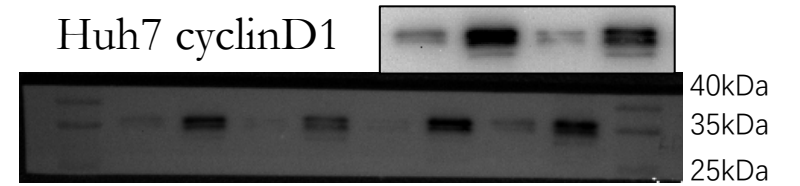
Im3 ACTB



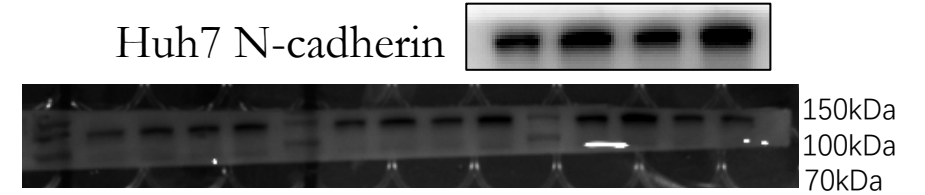
Im3 E-cadherin



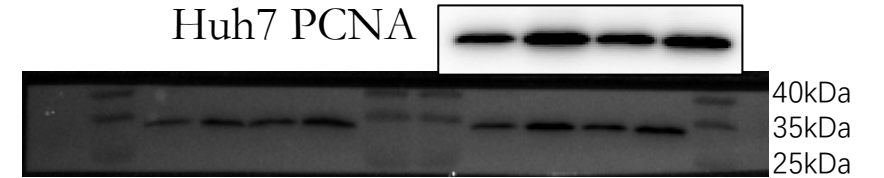
Huh7 cyclinD1



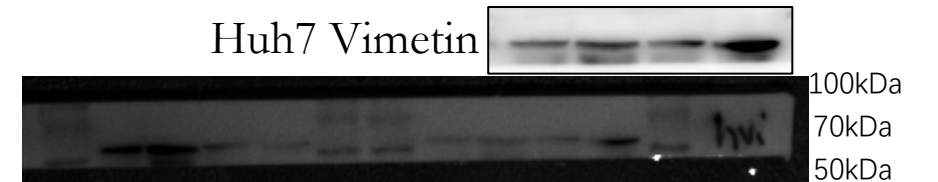
Huh7 N-cadherin



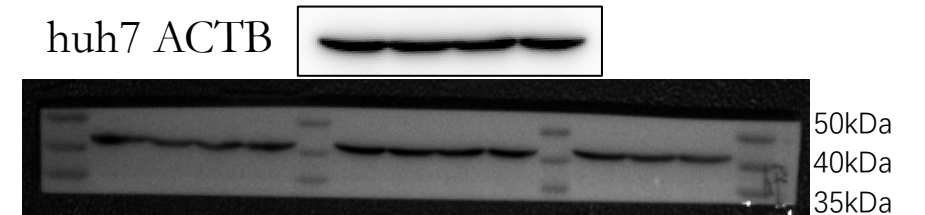
Huh7 PCNA



Huh7 Vimentin



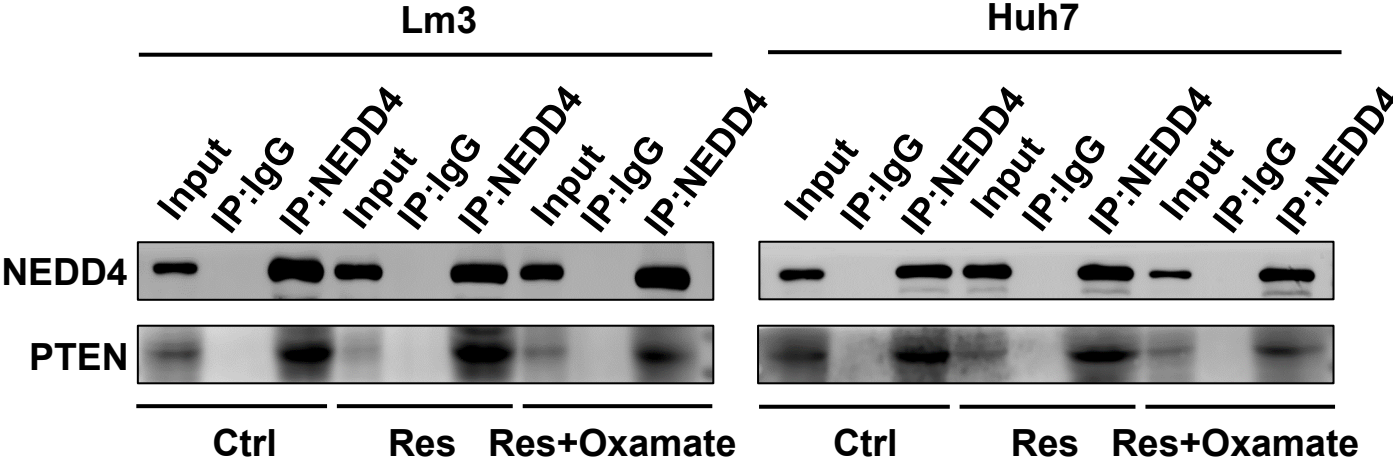
huh7 ACTB

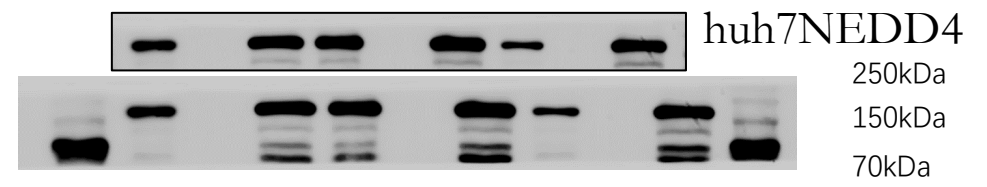
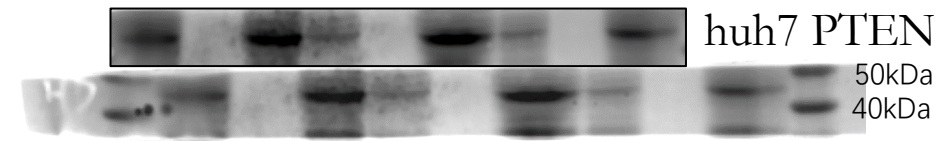
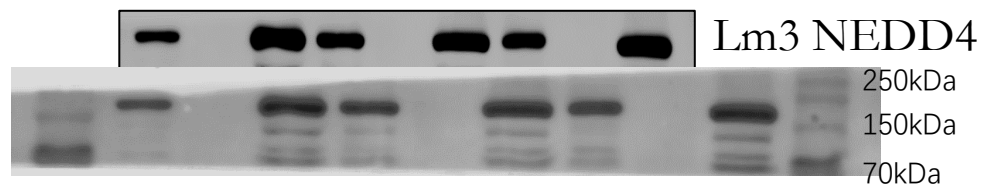
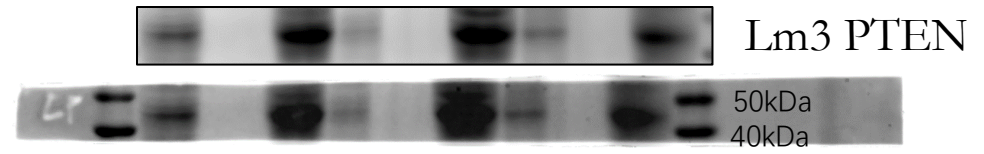


Huh7 E-cadherin

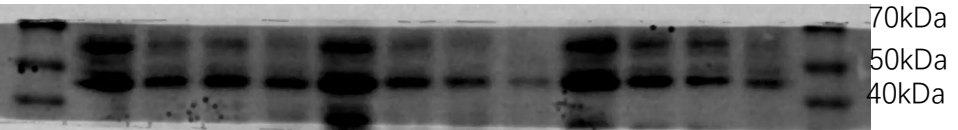


Figure.5B

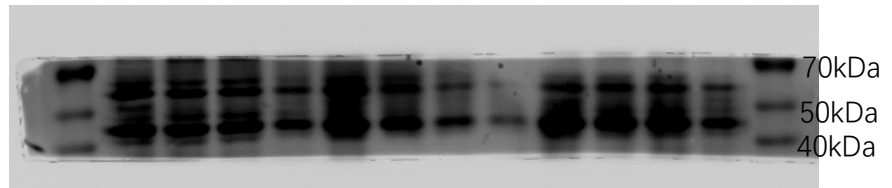




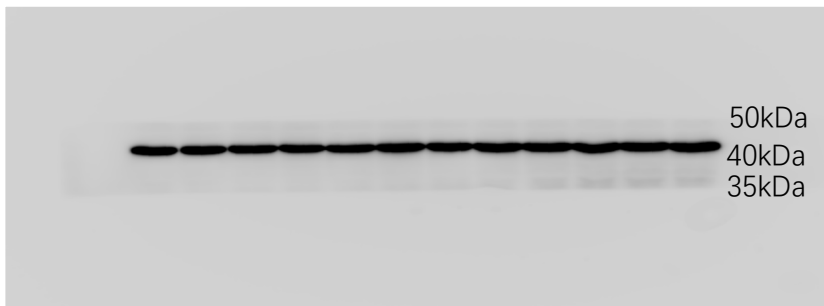
Lm3 PTEN



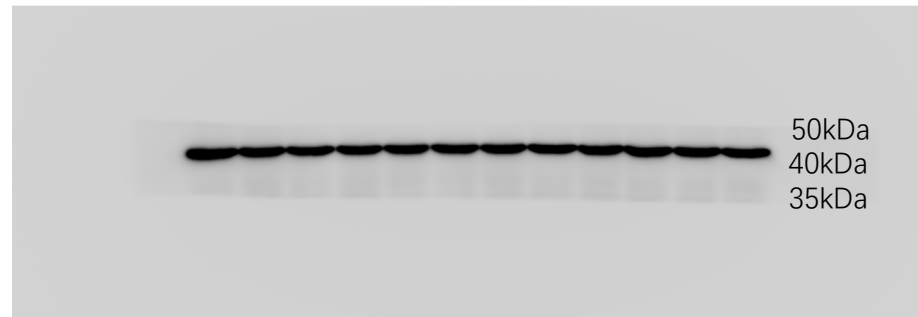
huh7 PTEN



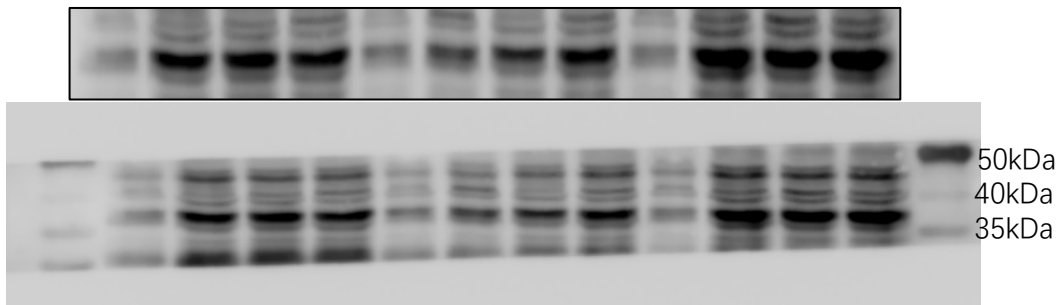
Lm3 ACTB



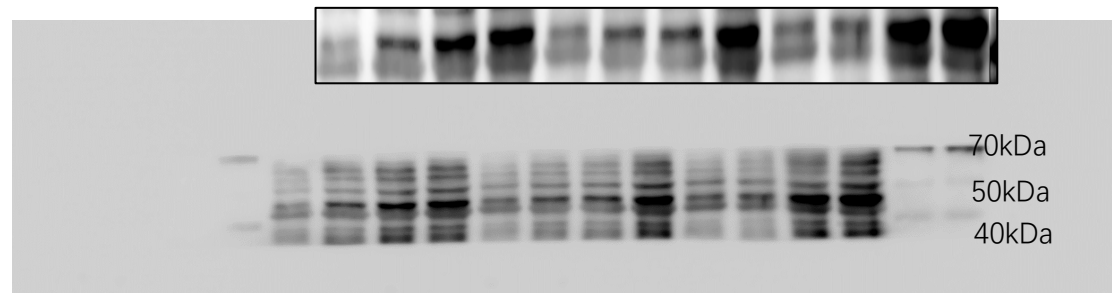
Huh7 ACTB



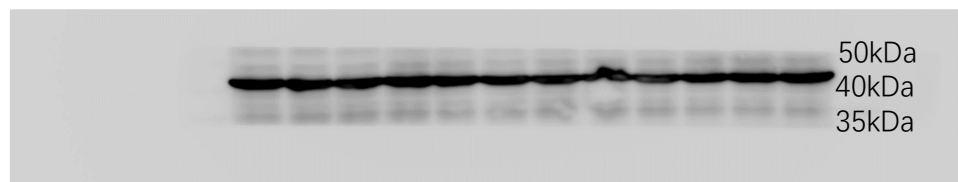
Lm3 PTEN



huh7 PTEN



Lm3 actb



Huh7 actb

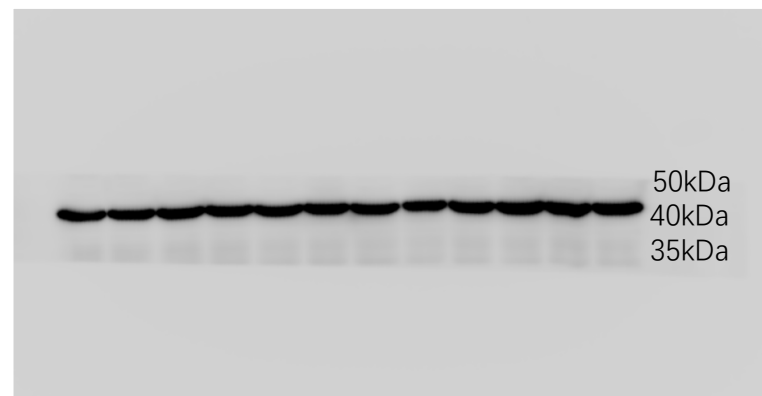
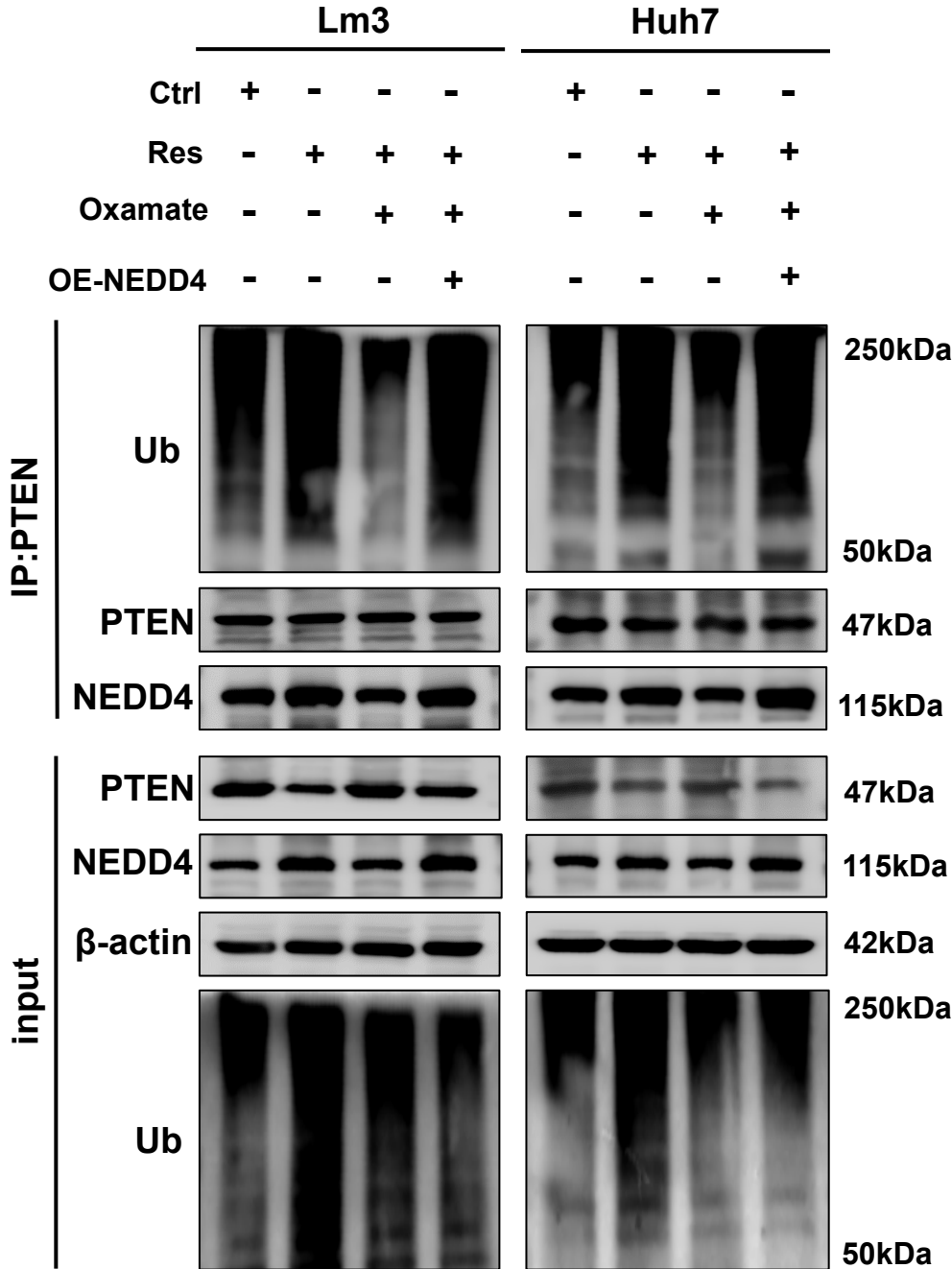
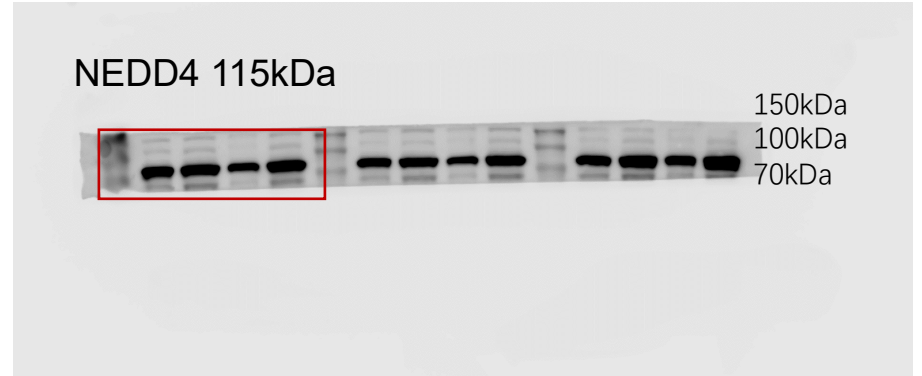
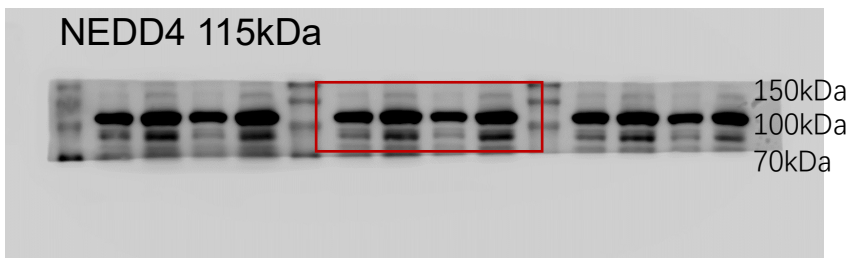
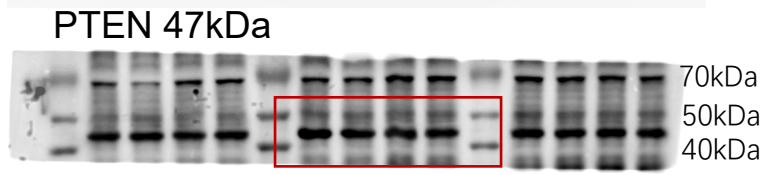
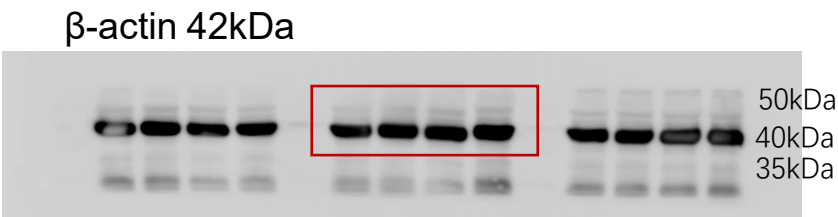
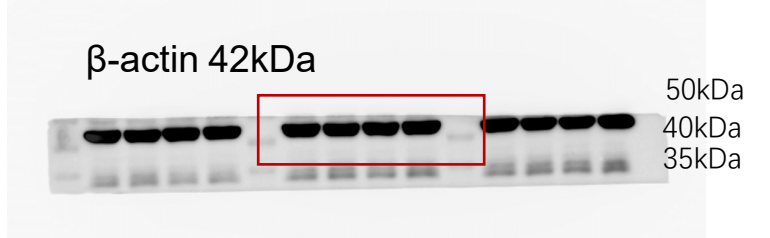
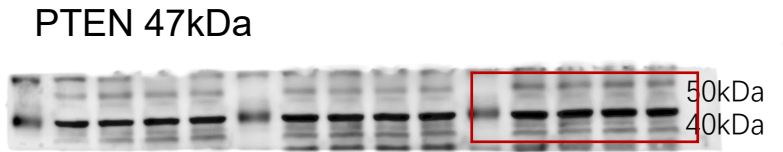
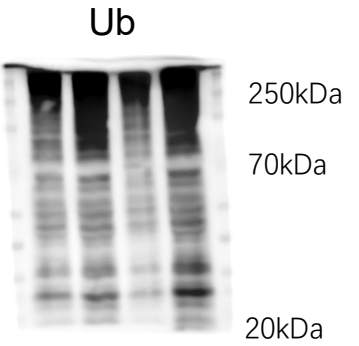
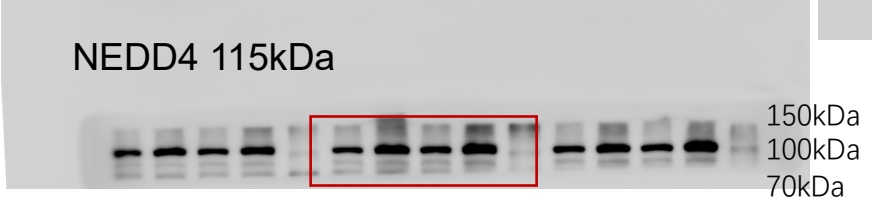
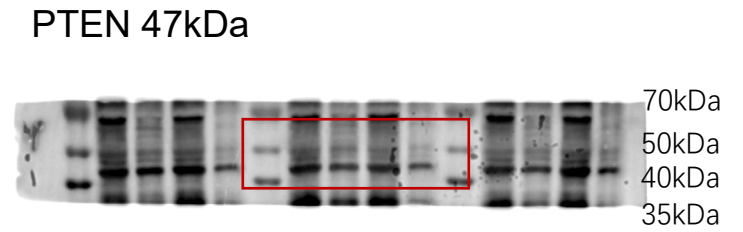
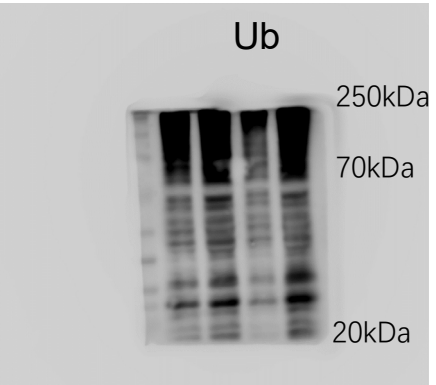
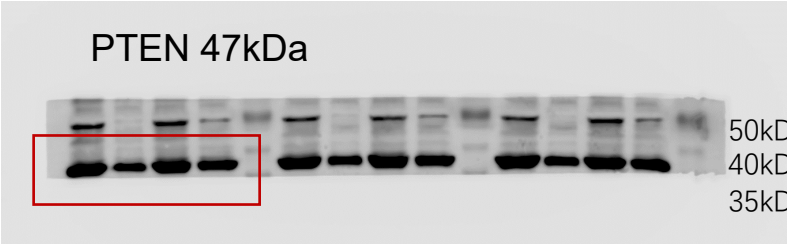
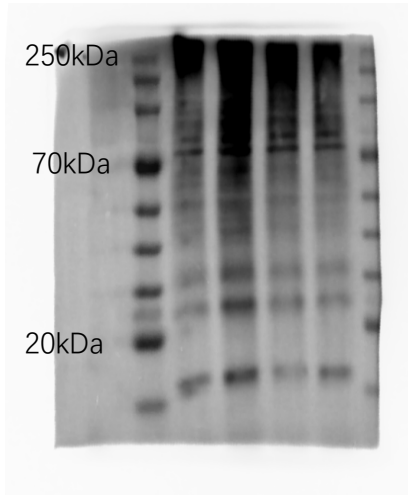


Figure.5H

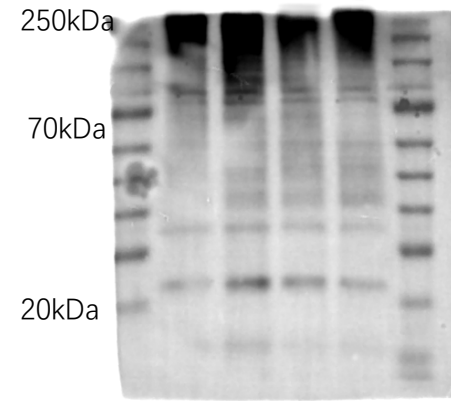


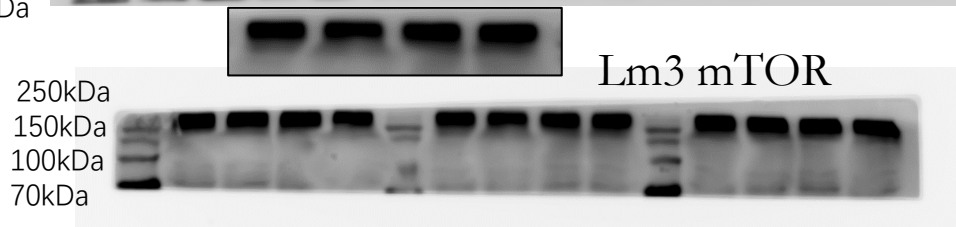
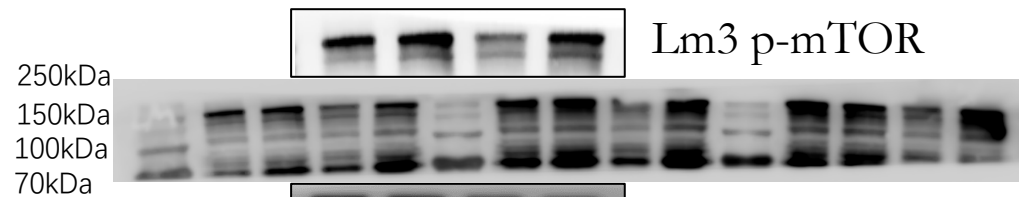
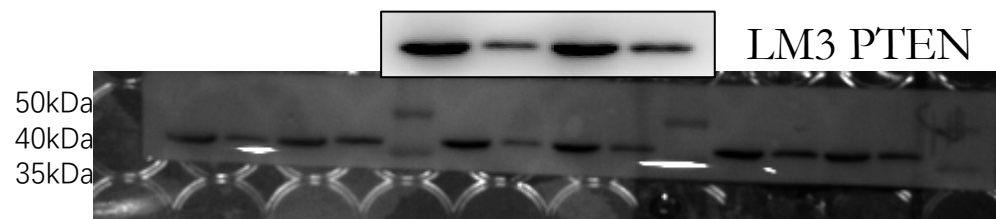
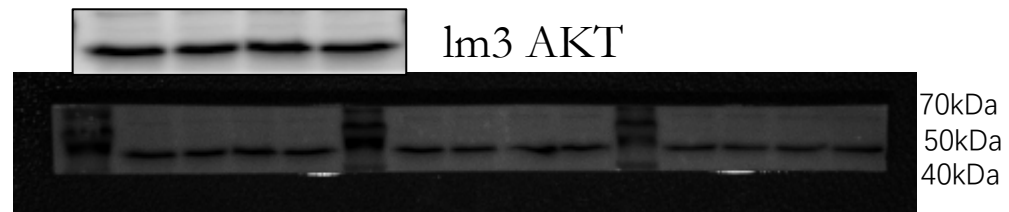
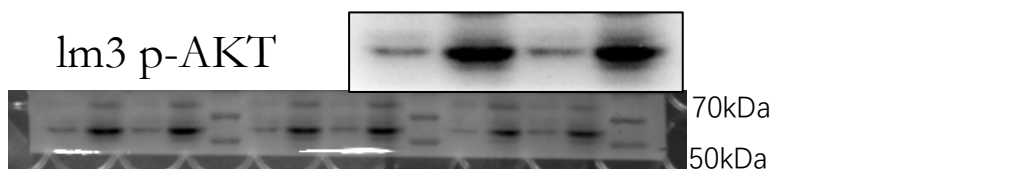


Ub

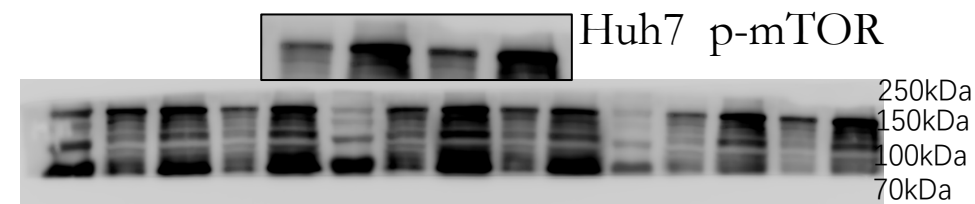
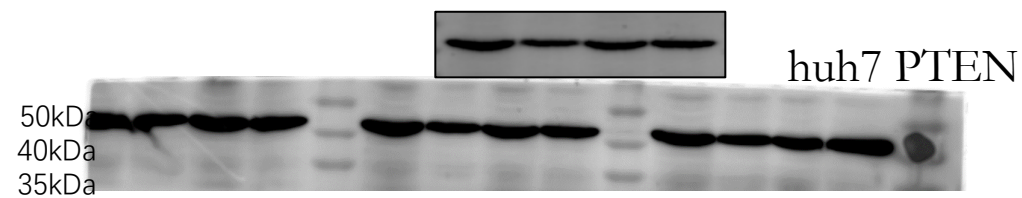
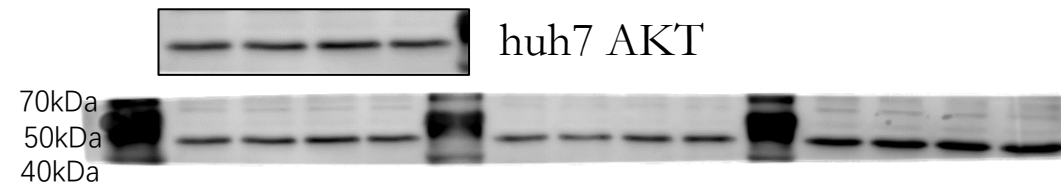
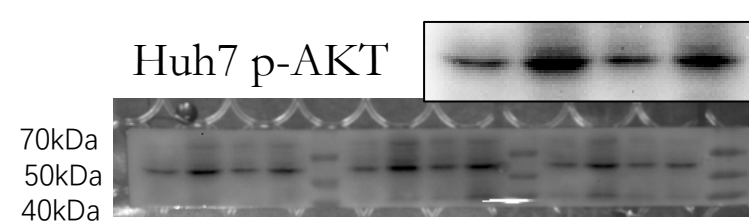


Ub





Lm3 β -actin



Huh7 β -actin

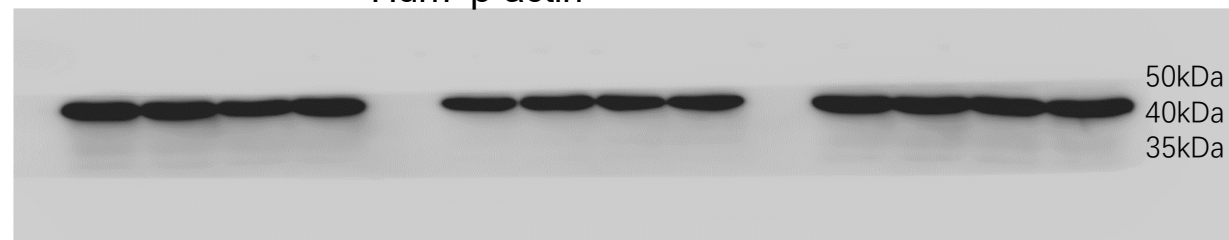
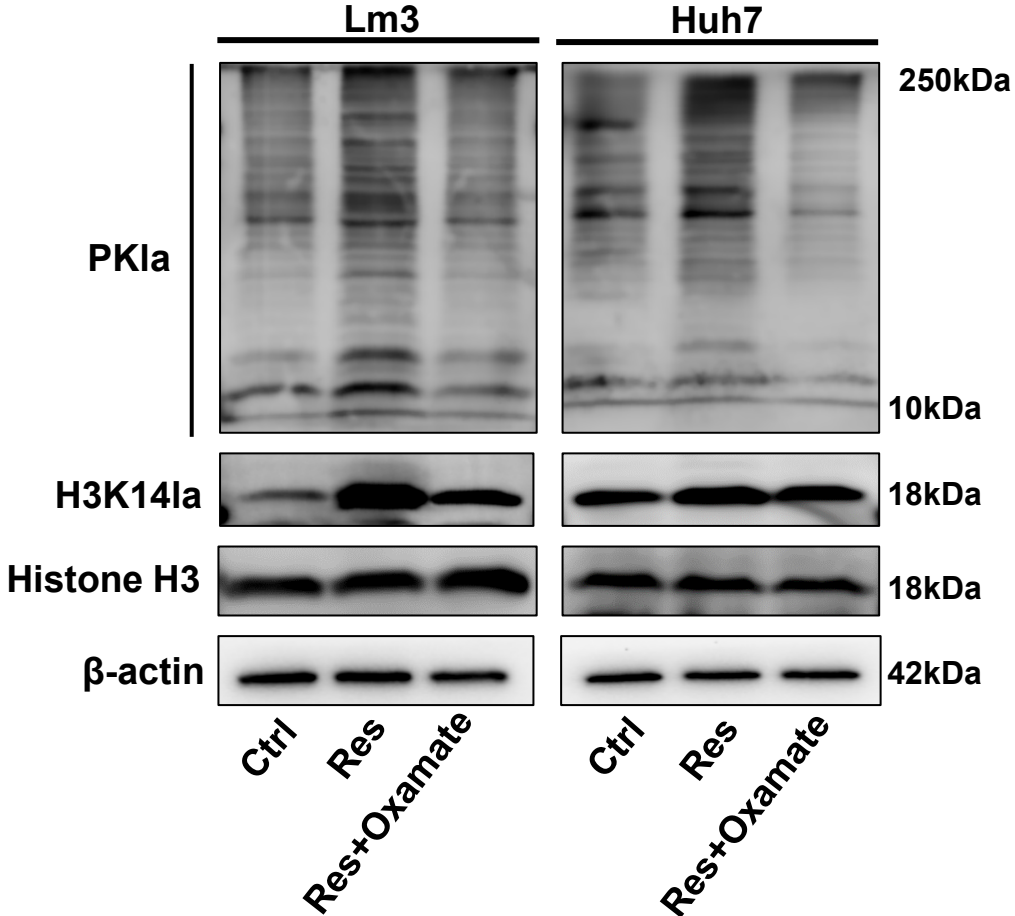
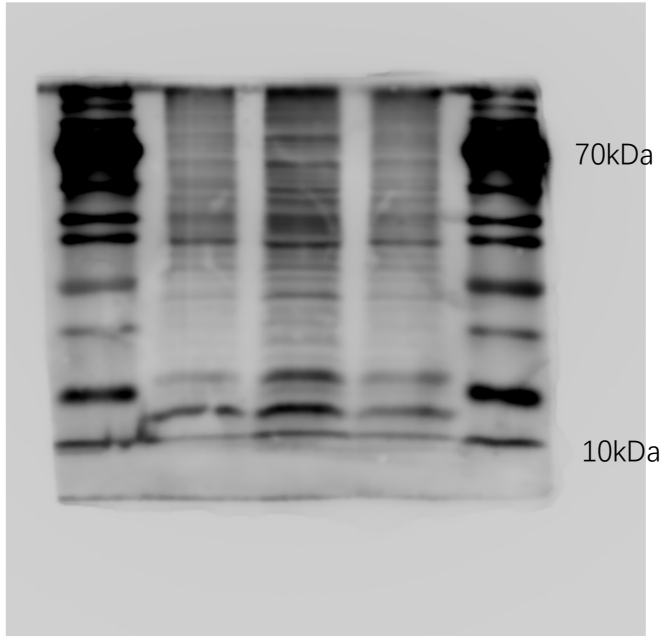


Figure.6C



Lm3

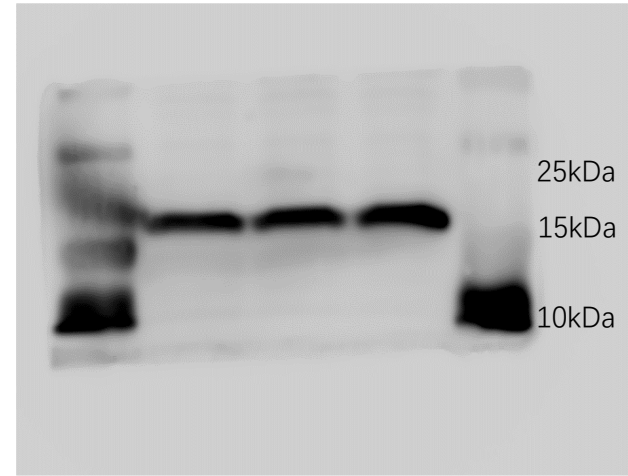
Pk1a 10-250kDa



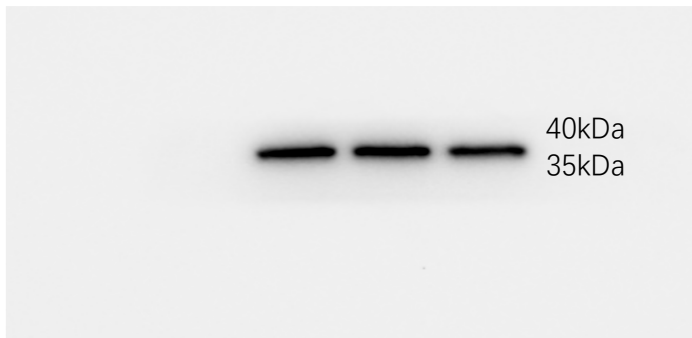
H3K141a 18kDa



Histone H3 18kDa

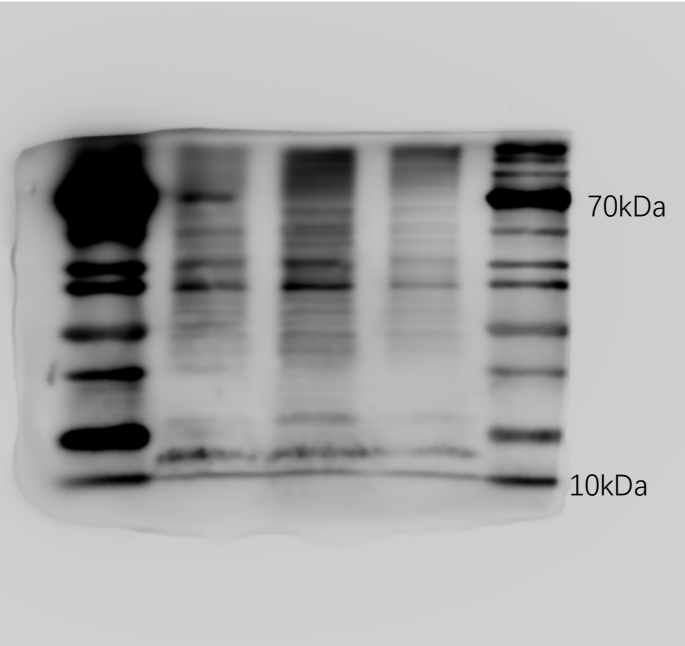


β -actin 42kDa

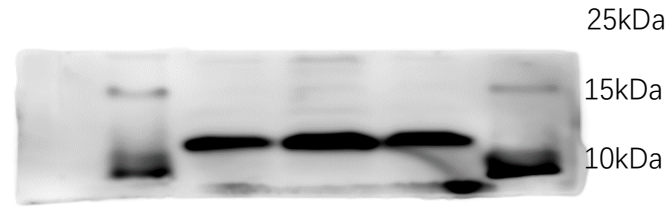


Lm3

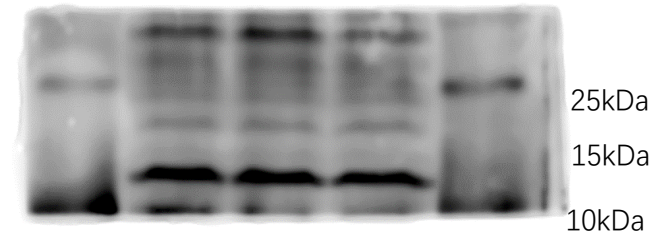
Pk1a 10-250kDa



H3K141a 18kDa



Histone H3 18kDa



β -actin 42kDa

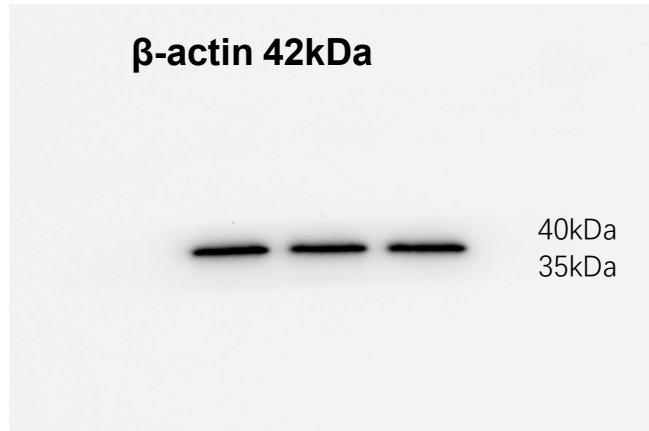
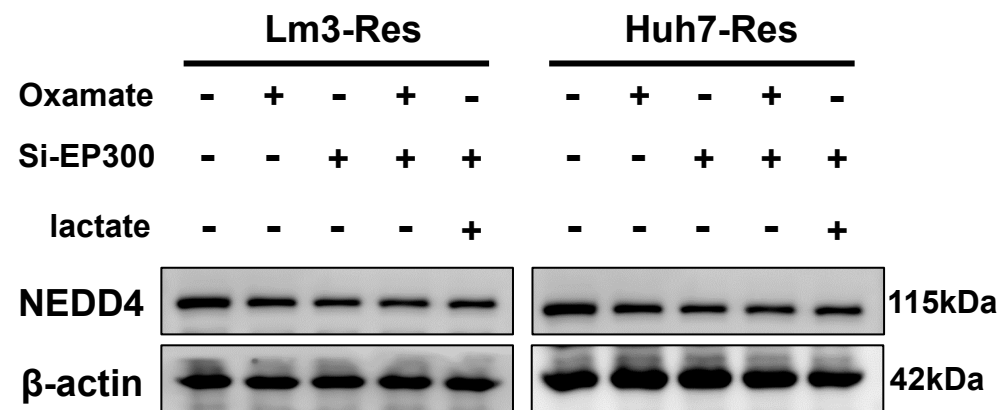
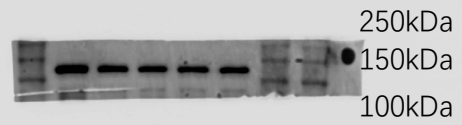


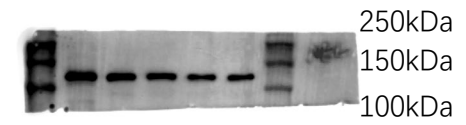
Figure.6D



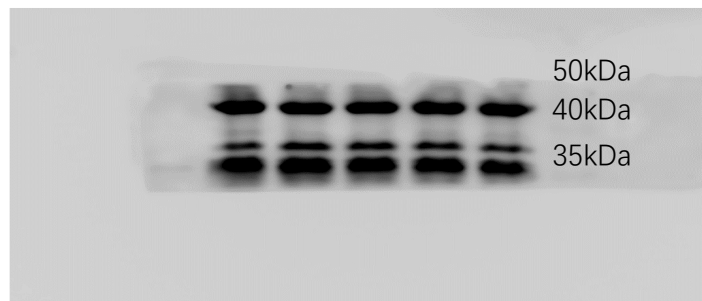
Lm3 NEDD4 115kDa



Huh7 NEDD4 115kDa



Lm3 β -actin 42kDa



Huh7 β -actin 42kDa

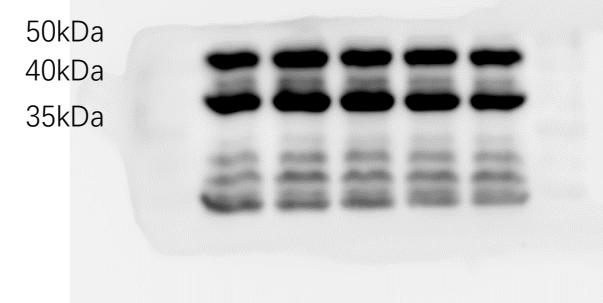
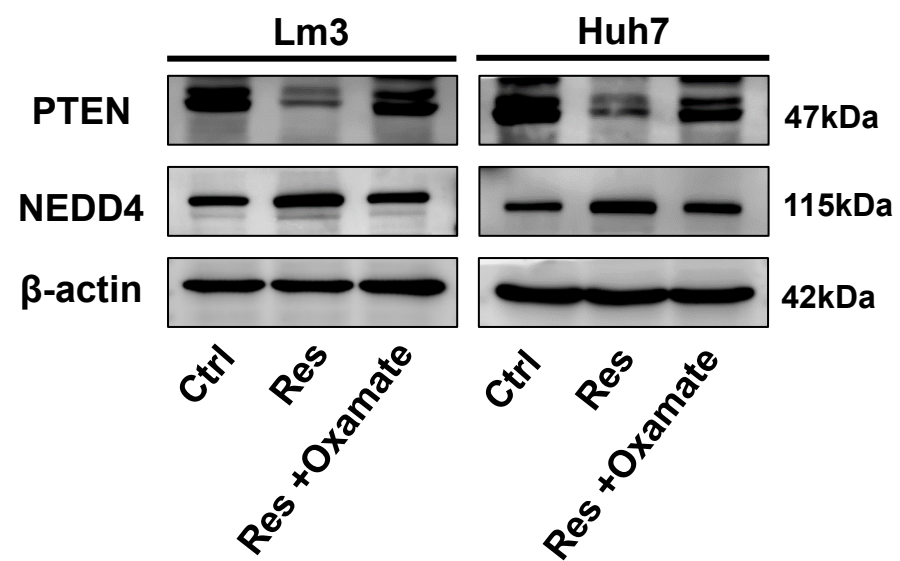
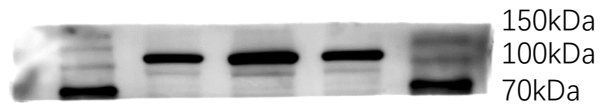


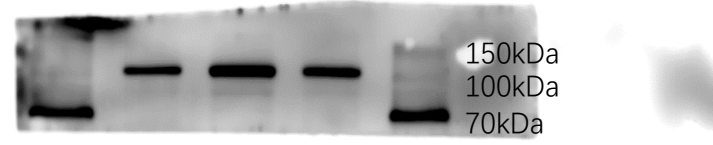
Figure.6E



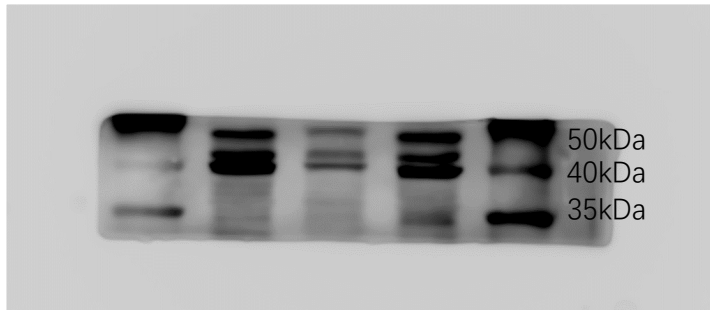
LM3 NEDD4



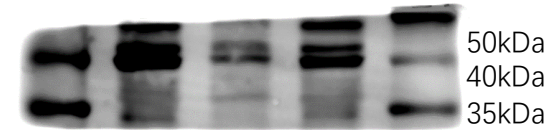
huh7 NEDD4



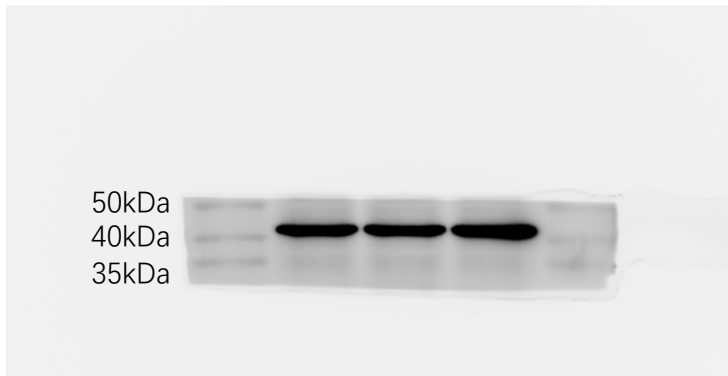
LM3 PTEN



Huh7 PTEN



LM3 ACTB



Huh7 ACTB

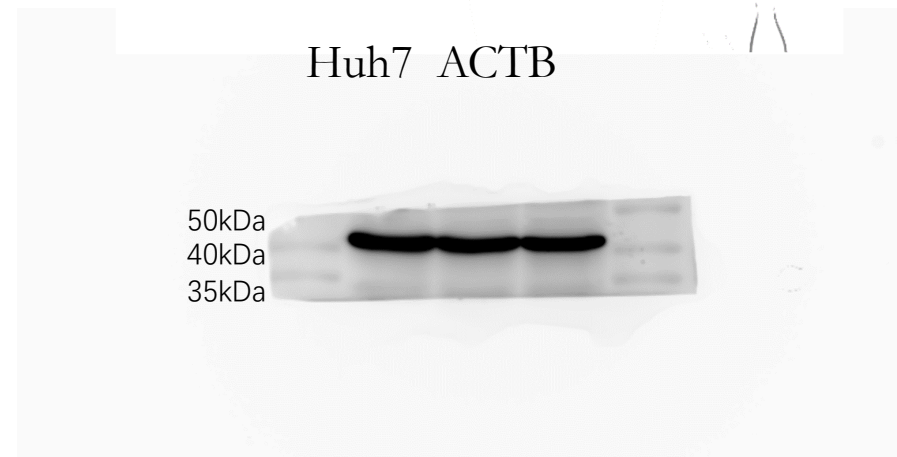
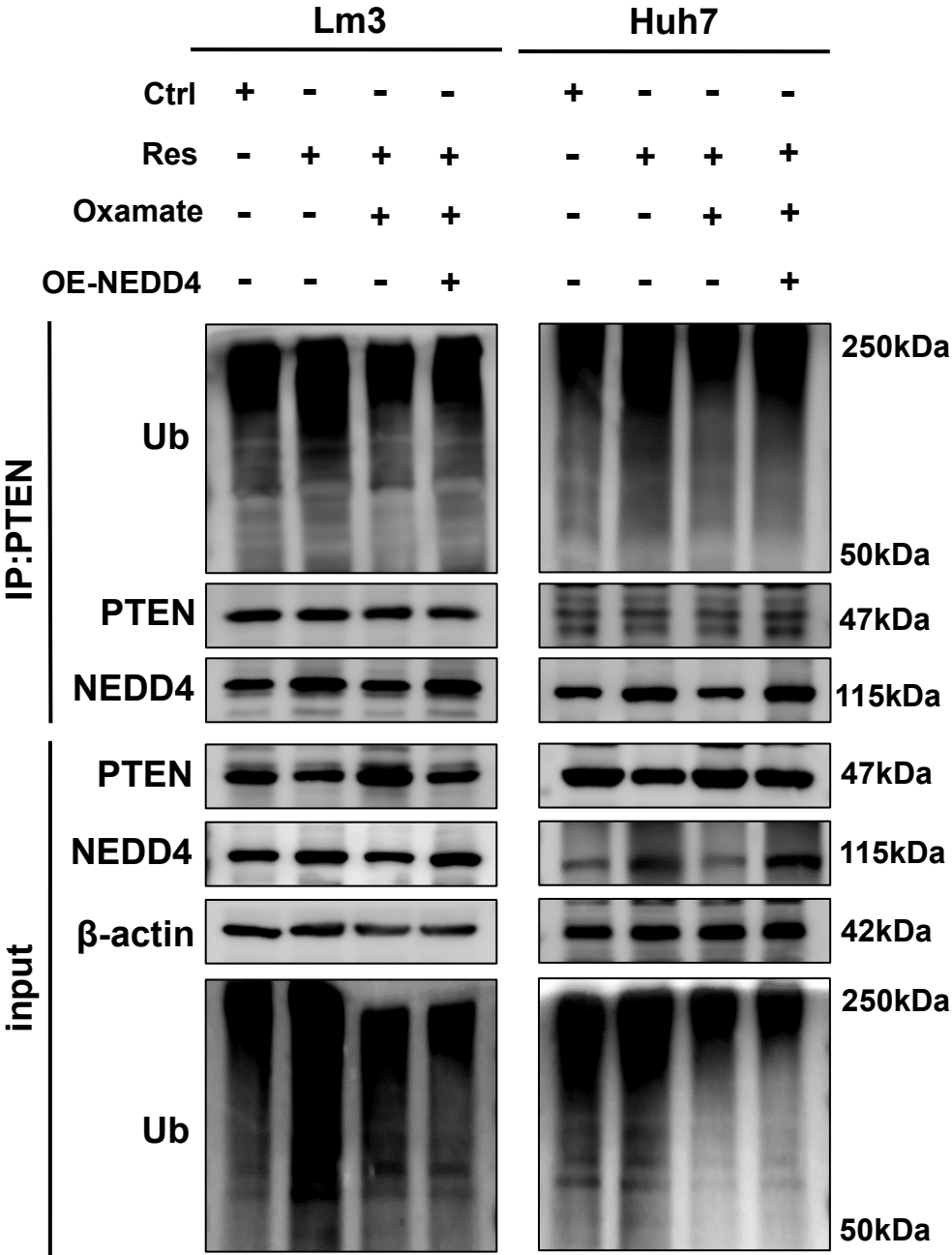
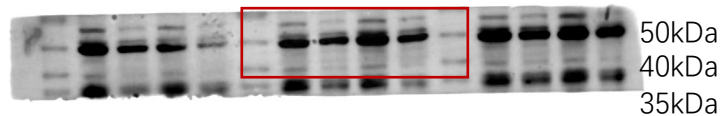


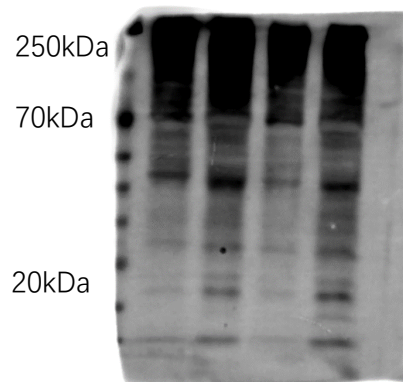
Figure.6H



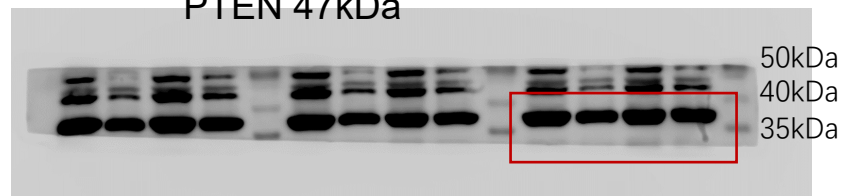
PTEN 47kDa



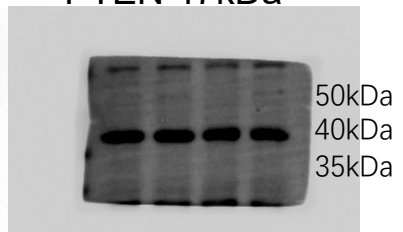
Ub



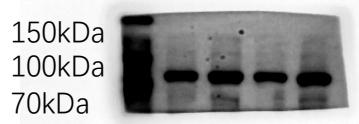
PTEN 47kDa



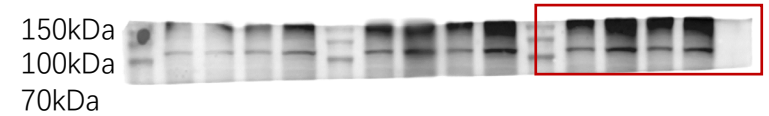
PTEN 47kDa



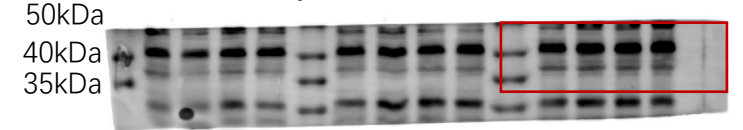
NEDD4 115kDa



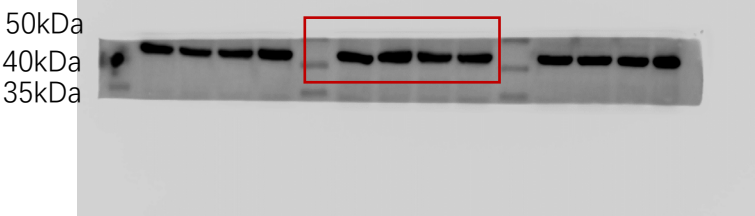
NEDD4 115kDa



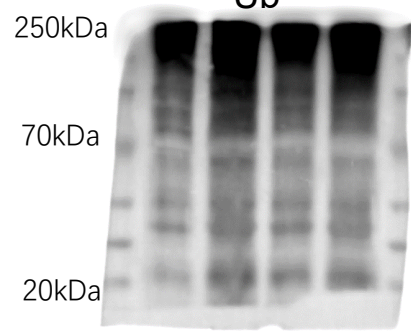
β -actin 42kDa



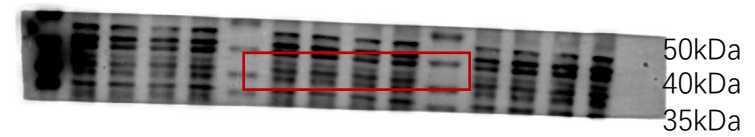
β -actin 42kDa



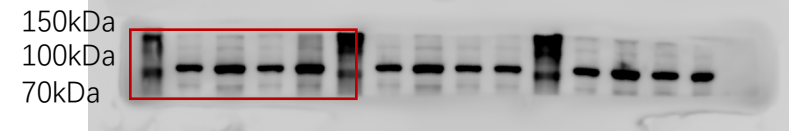
Ub



PTEN 47kDa



NEDD4 115kDa



NEDD4 115kDa

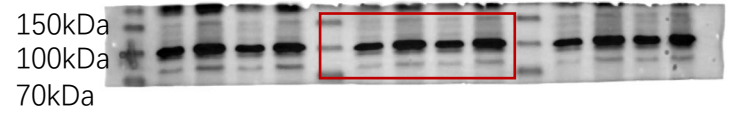
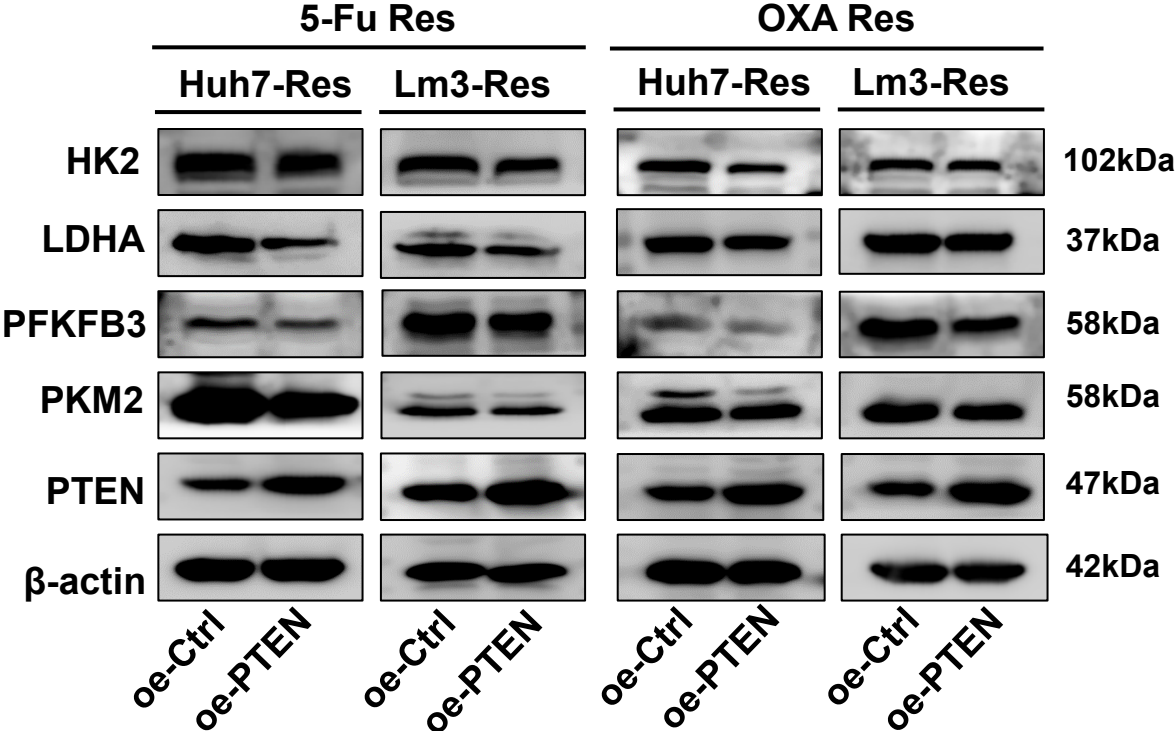


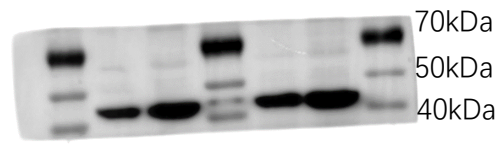
Figure.7E



Huh7-Res HK2 102kDa



Huh7-Res PTEN 47kDa



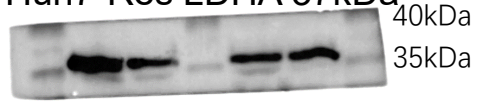
Lm3-Res HK2 102kDa



Lm3-Res PTEN 47kDa



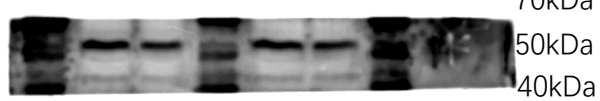
Huh7-Res LDHA 37kDa



Lm3-Res LDHA 37kDa



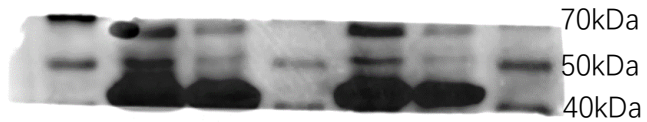
Huh7-Res PFKFB3 58kDa



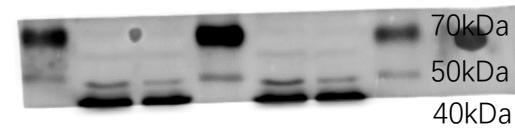
Lm3-Res PFKFB3 58kDa



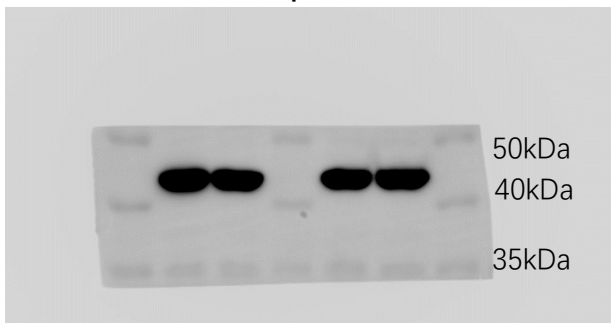
Huh7-Res PKM2 58kDa



Lm3-Res PKM2 58kDa



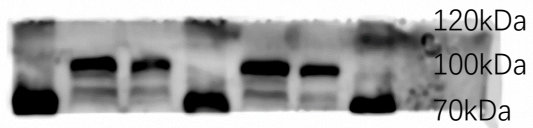
Huh7-Res β -actin 42kDa



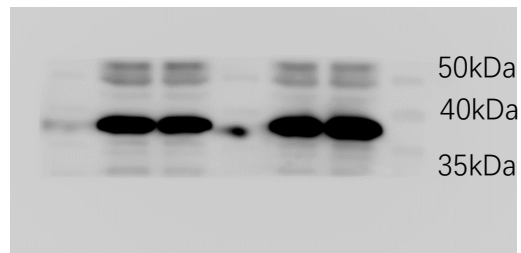
Lm3-Res β -actin 42kDa



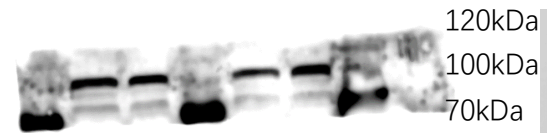
Huh7-Res HK2 102kDa



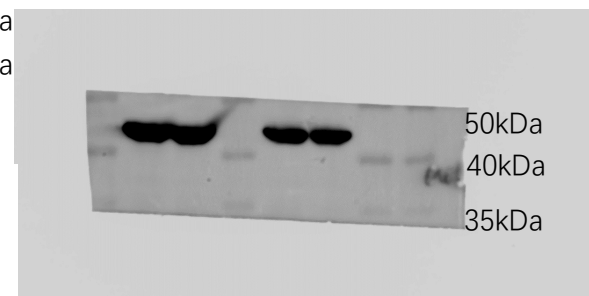
Huh7-Res β -actin 42kDa



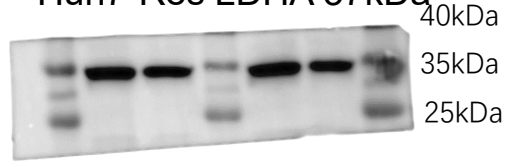
Lm3-Res HK2 102kDa



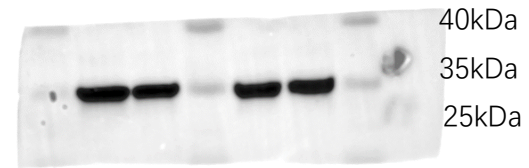
Lm3-Res β -actin 42kDa



Huh7-Res LDHA 37kDa



Lm3-Res LDHA 37kDa



Huh7-Res PFKFB3 58kDa



Lm3-Res PFKFB3 58kDa



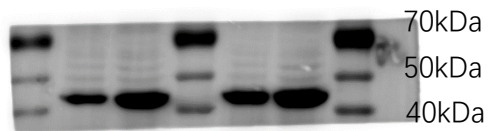
Huh7-Res PKM2 58kDa



Lm3-Res PKM2 58kDa



Huh7-Res PTEN 47kDa



Lm3-Res PTEN 47kDa

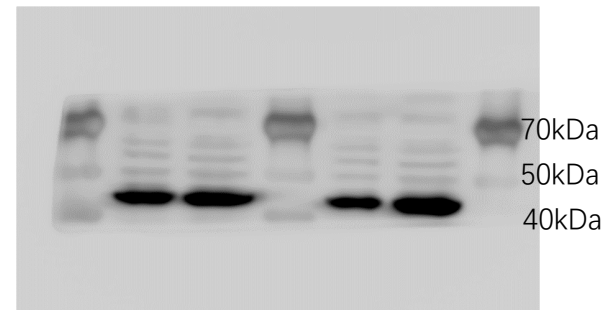
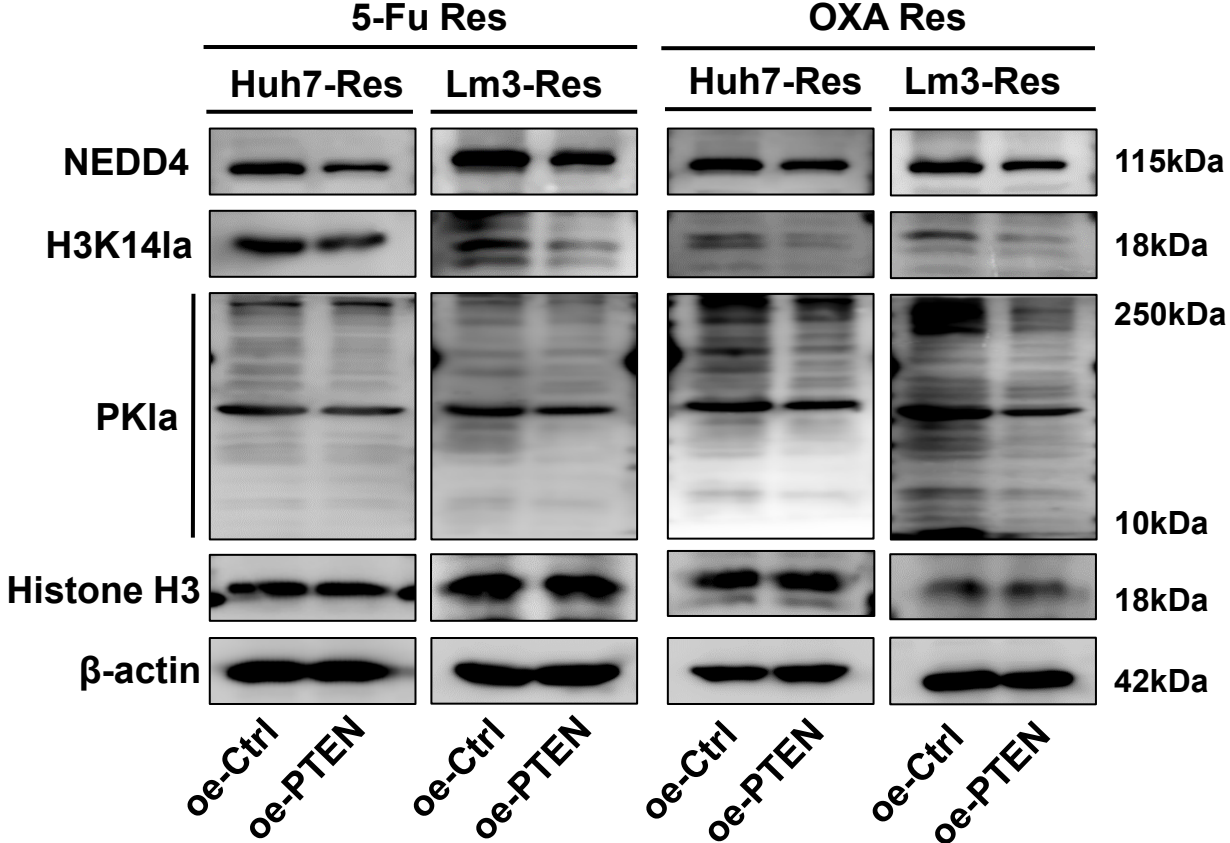


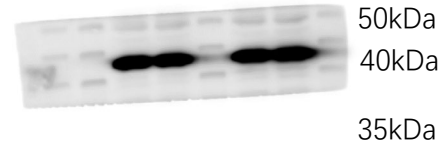
Figure.7F



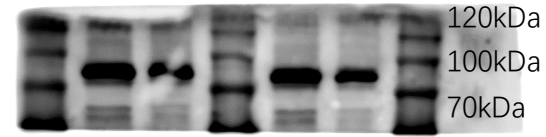
Huh7-Res NEDD4 115kDa



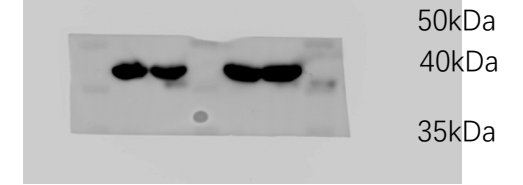
Huh7-Res β -actin 42kDa



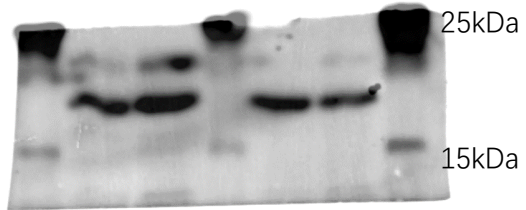
Lm3-Res NEDD4 115kDa



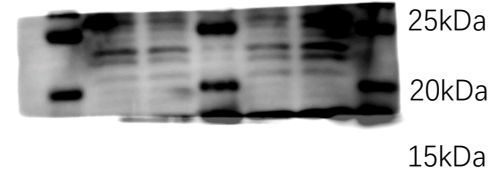
Lm3-Res β -actin 42kDa



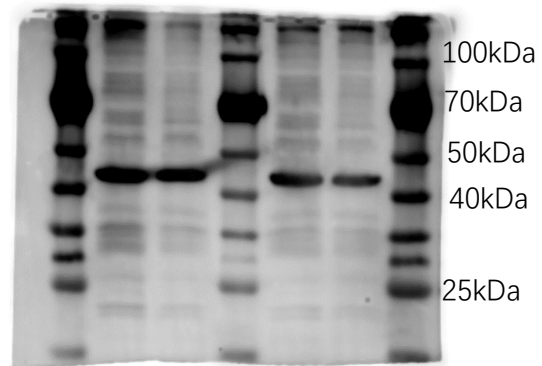
Huh7-Res H3K14Ia 18kDa



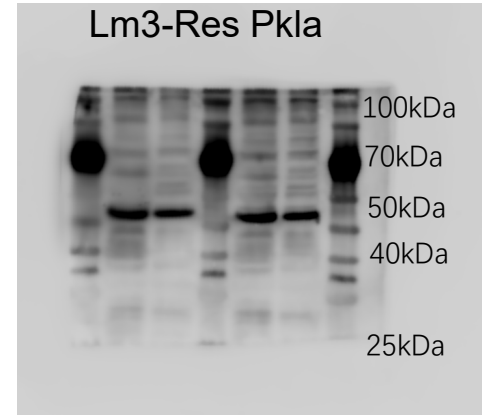
Lm3-Res H3K14Ia 18kDa



Huh7-Res PkIa



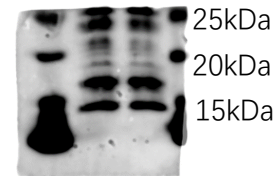
Lm3-Res PkIa



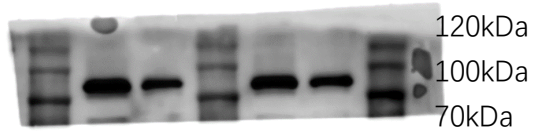
Huh7-Res Histone H3 18kDa



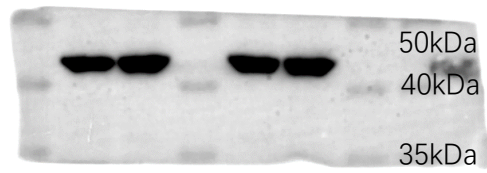
Lm3-Res Histone H3 18kDa



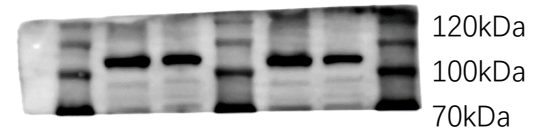
Huh7-Res NEDD4 115kDa



Huh7-Res β -actin 42kDa



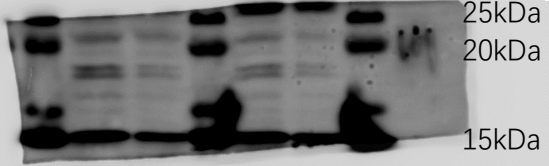
Lm3-Res NEDD4 115kDa



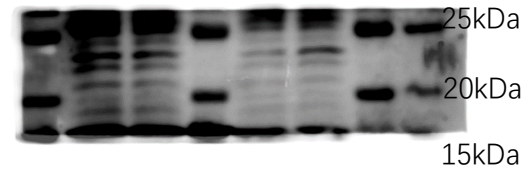
Lm3-Res β -actin 42kDa



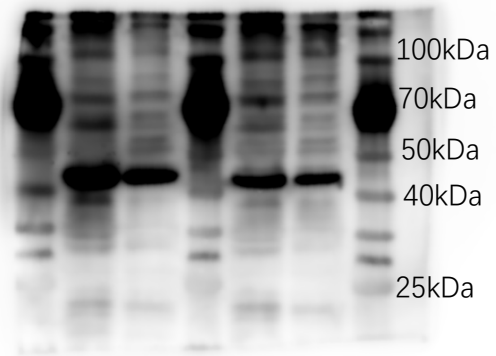
Huh7-Res H3K14Ia 18kDa



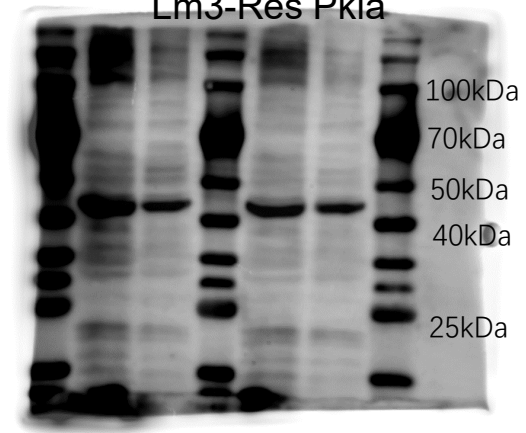
Lm3-Res H3K14Ia 18kDa



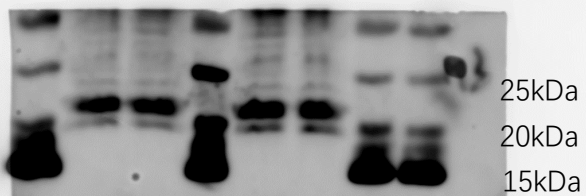
Huh7-Res PkIa



Lm3-Res PkIa



Huh7-Res Histone H3 18kDa



Lm3-Res Histone H3 18kDa

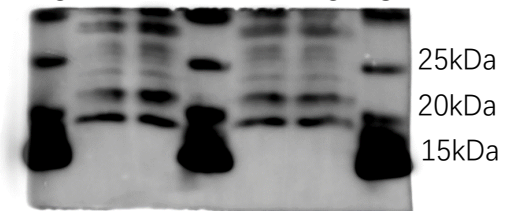
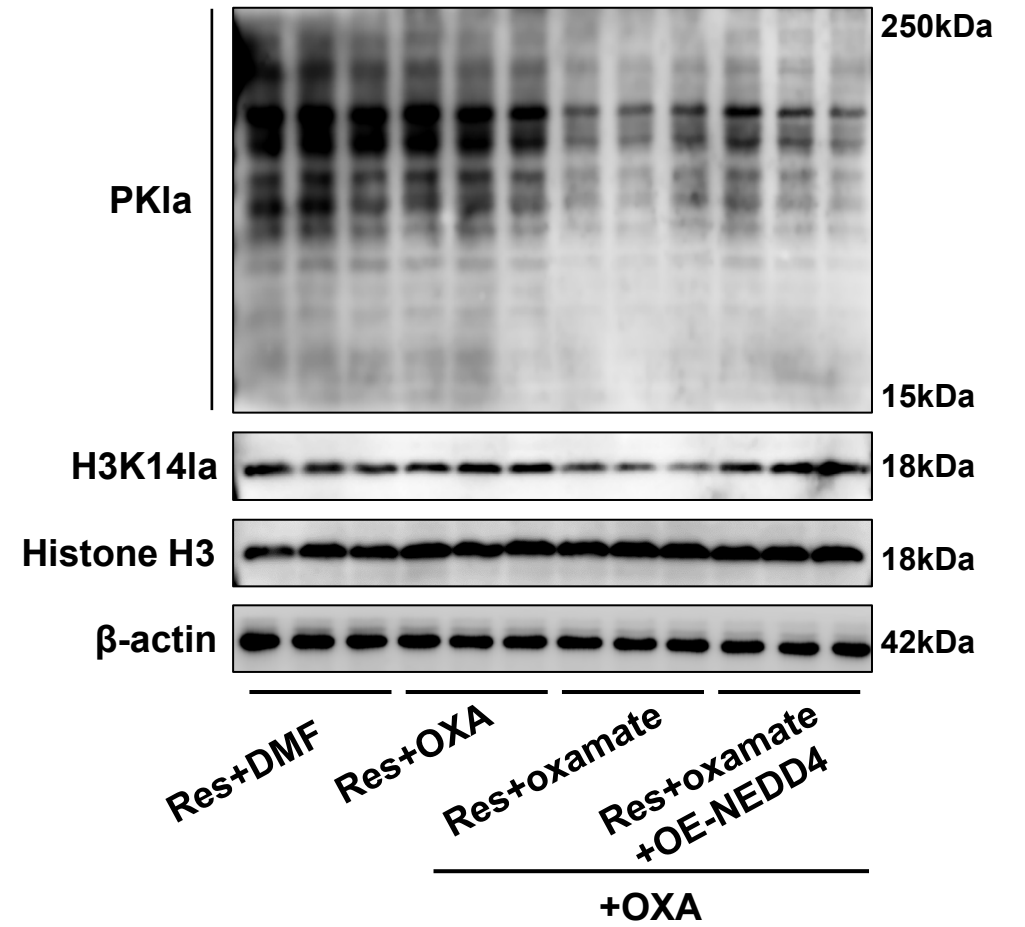
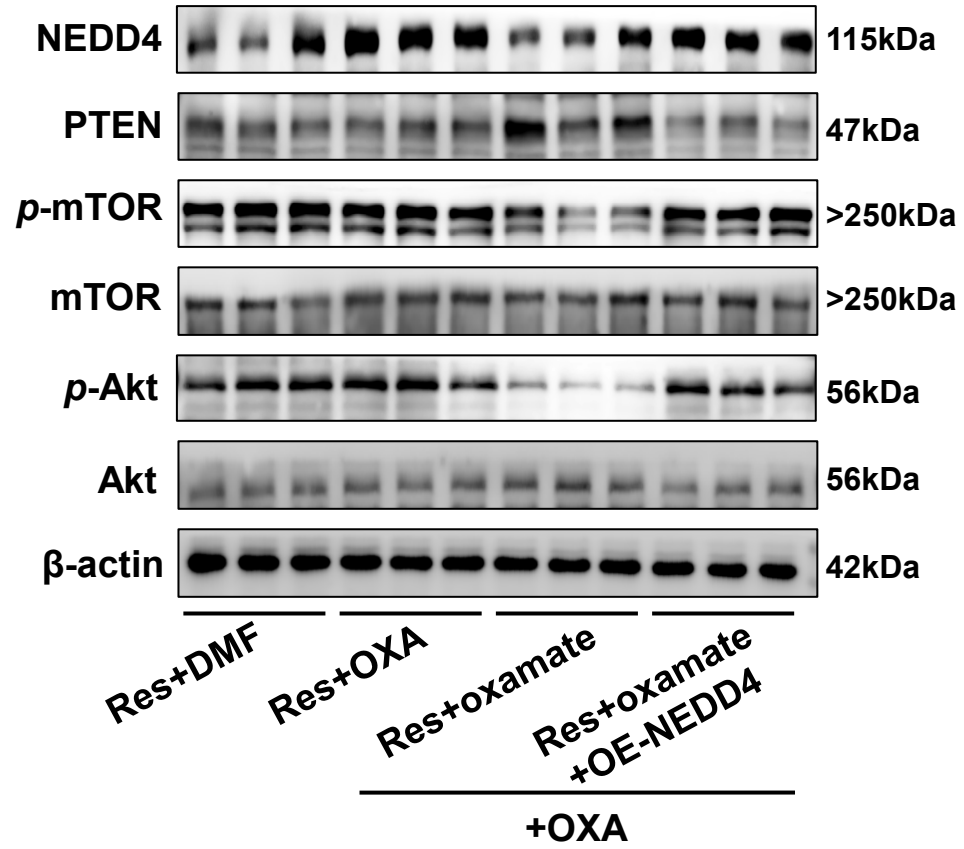
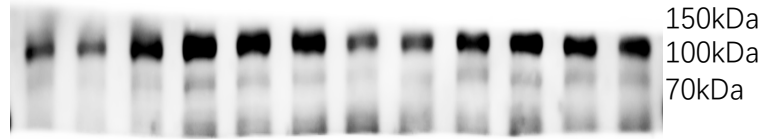


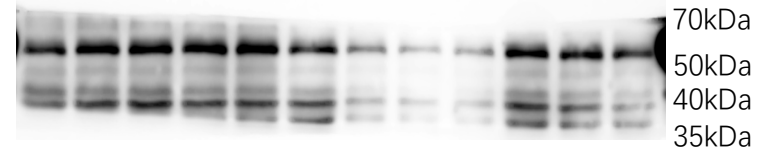
Figure.8D-G



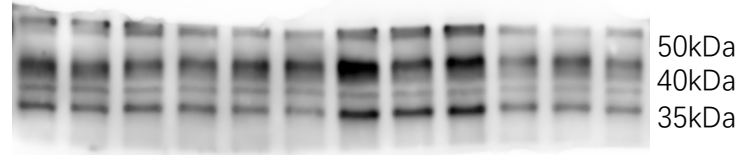
NEDD4 115kDa



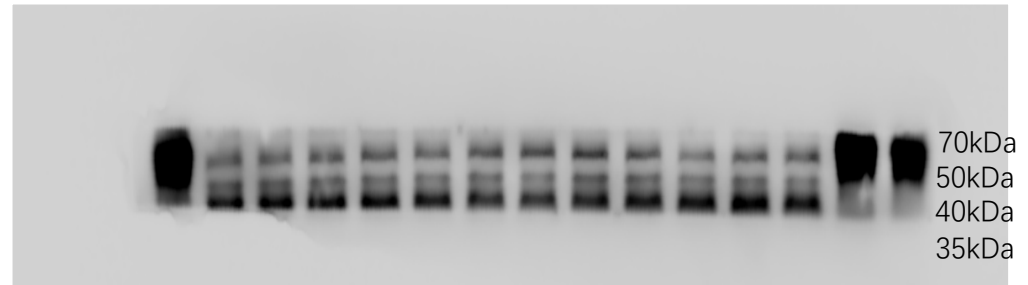
p-Akt 56kDa



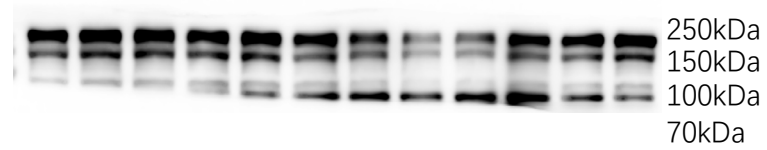
PTEN 47kDa



Akt 56kDa



p-mTOR 250kDa



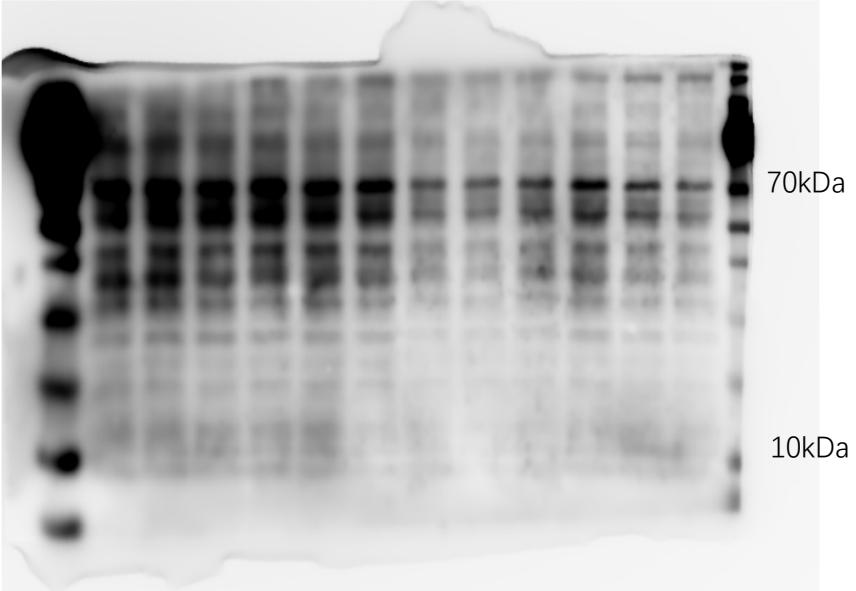
mTOR 250kDa



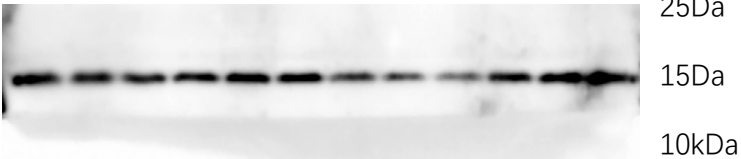
β -actin 42kDa



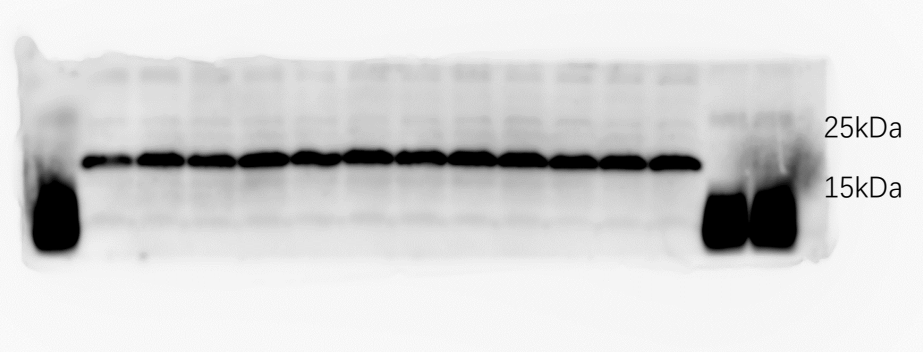
Pk1a 10-250kDa



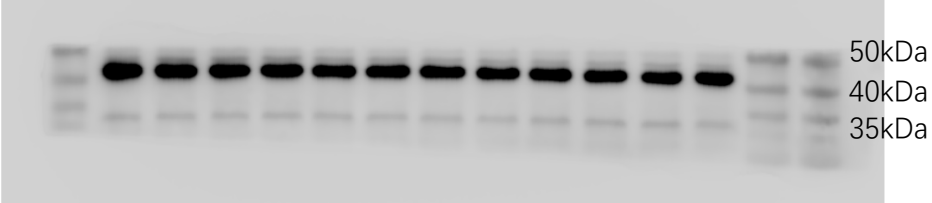
H3K141a 18kDa



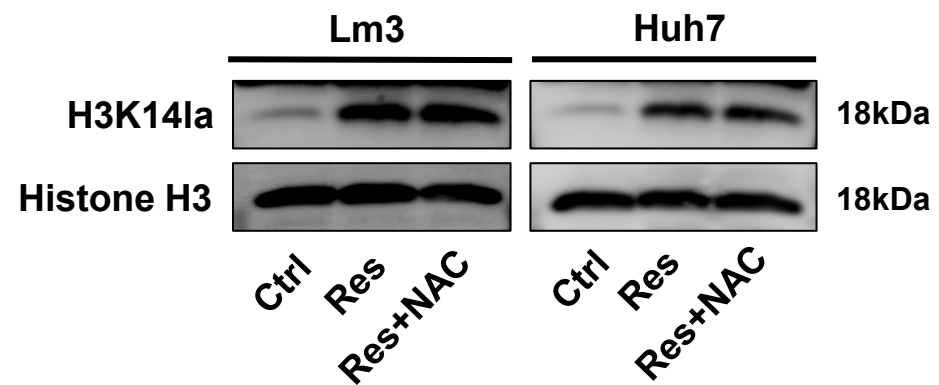
Histone H3 18kDa



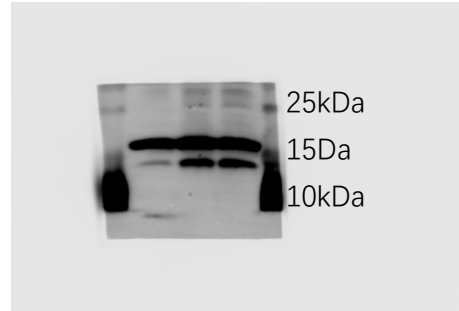
β -actin 42kDa



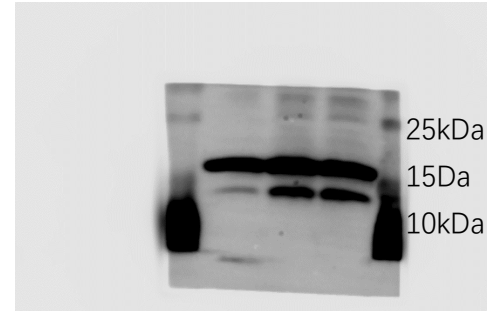
S1.D



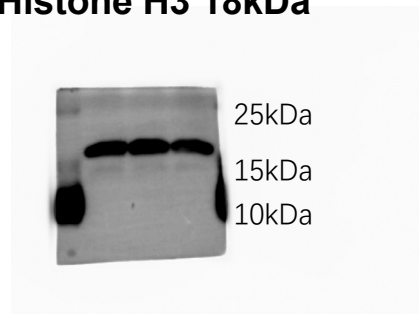
H3K14Ia 18kDa



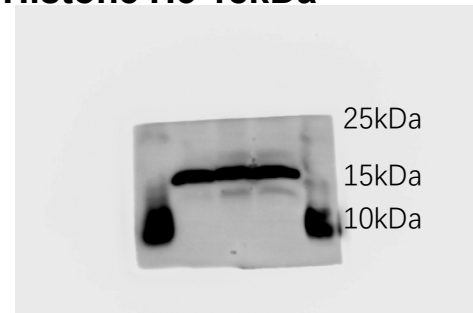
H3K14Ia 18kDa



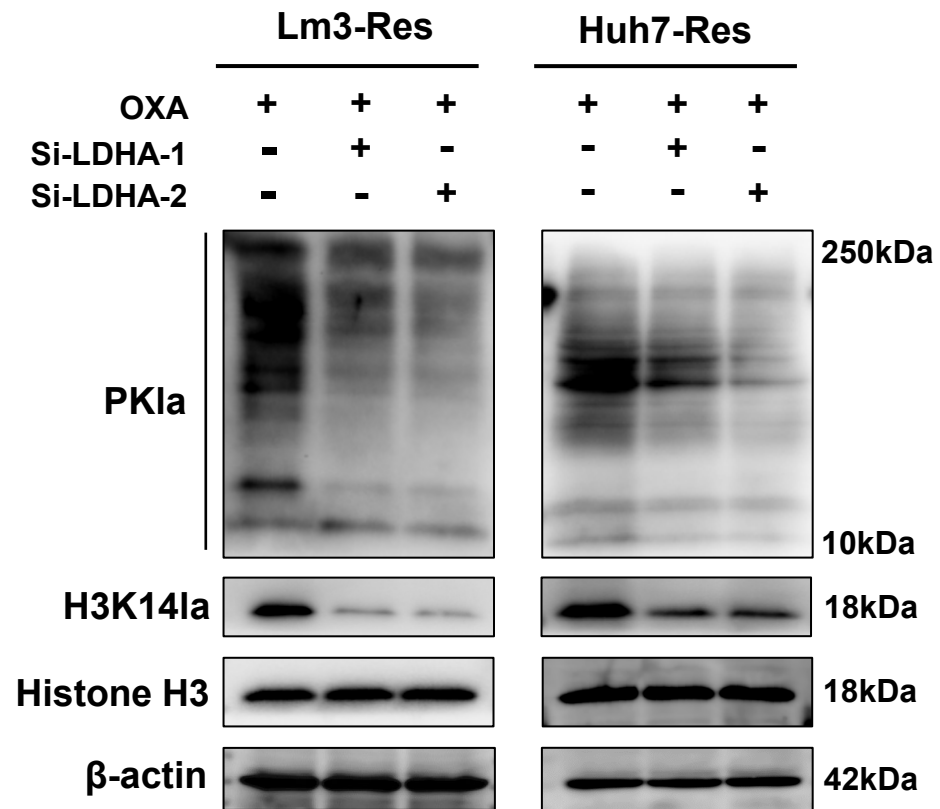
Histone H3 18kDa



Histone H3 18kDa

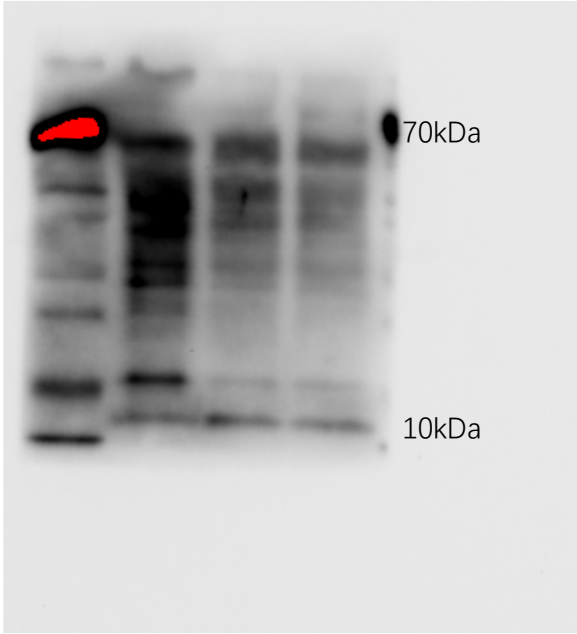


S2.C

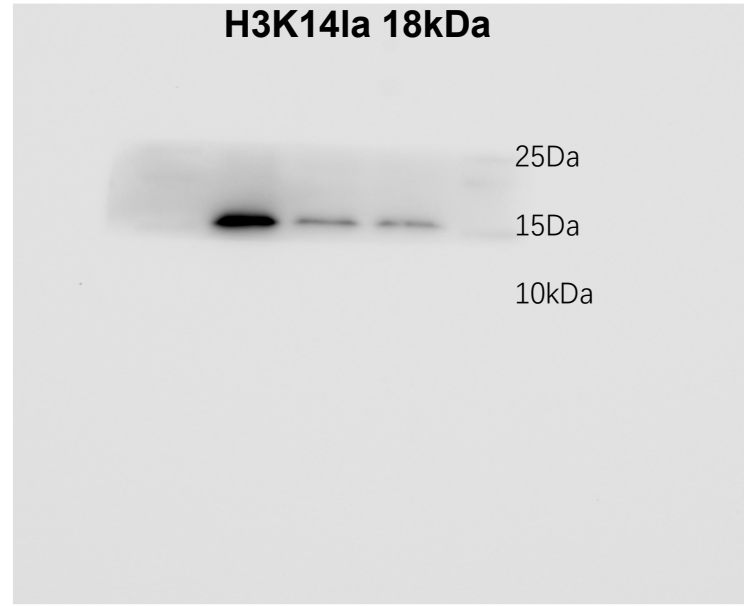


Lm3-Res

Pk1a 10-250kDa



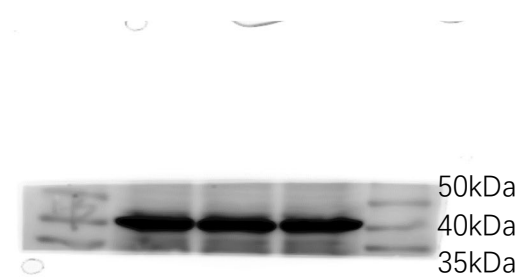
H3K141a 18kDa



Histone H3 18kDa

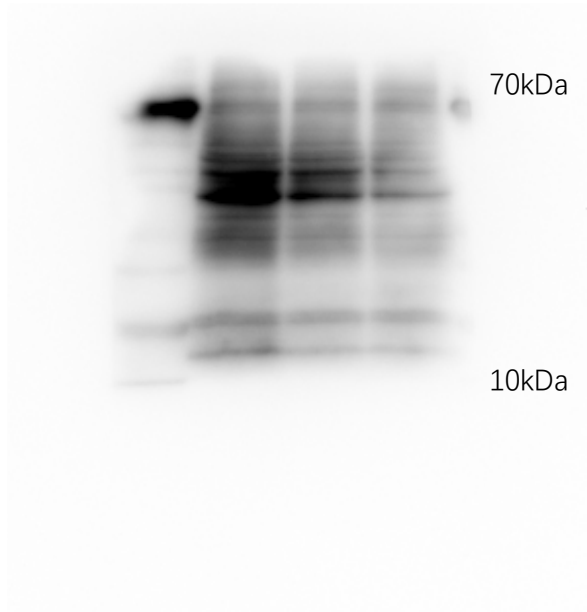


β -actin 42kDa

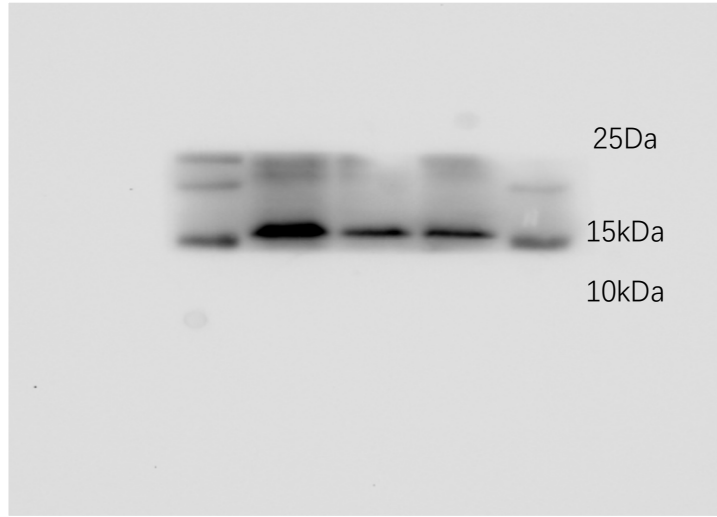


Lm3-Res

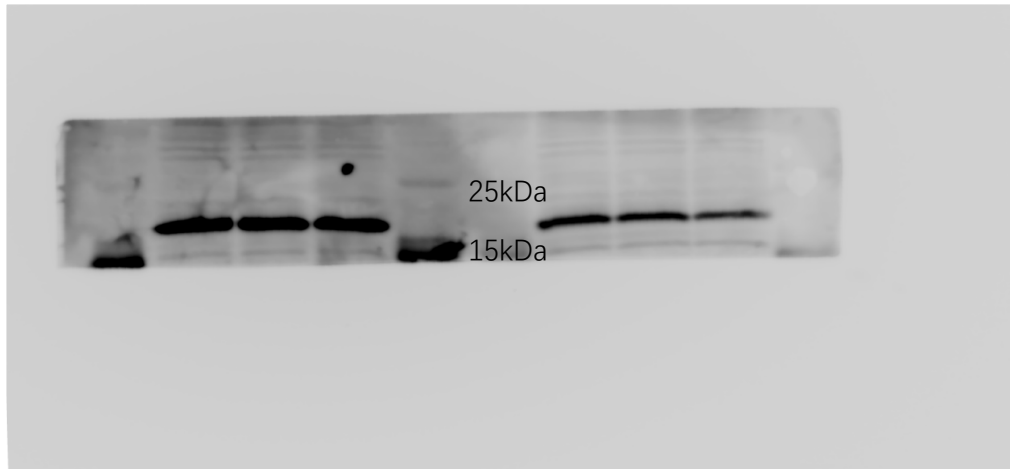
Pk1a 10-250kDa



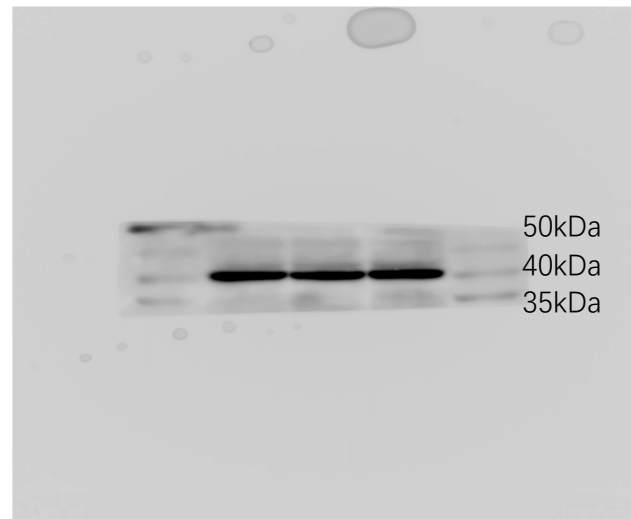
H3K141a 18kDa



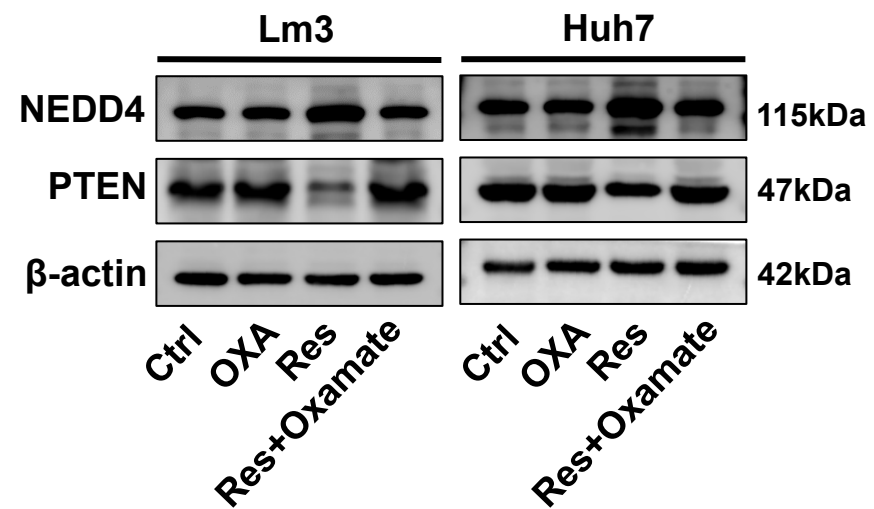
Histone H3 18kDa



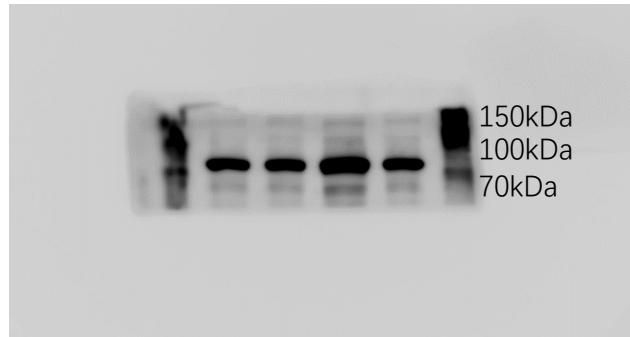
β -actin 42kDa



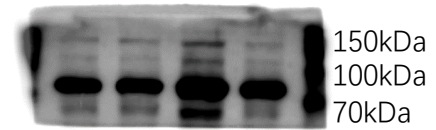
S3.C



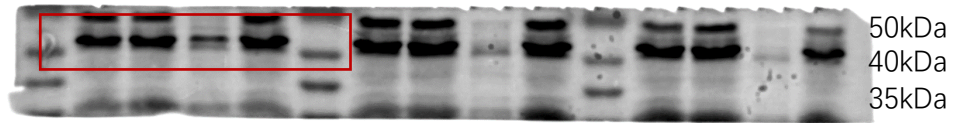
LM3 NEDD4



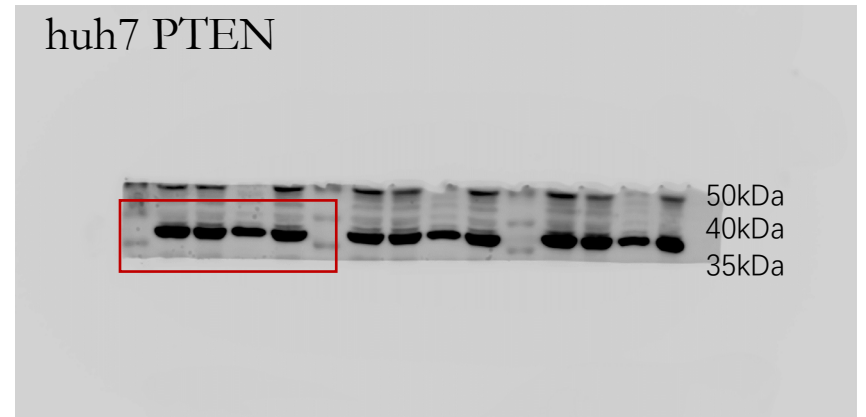
huh7 NEDD4



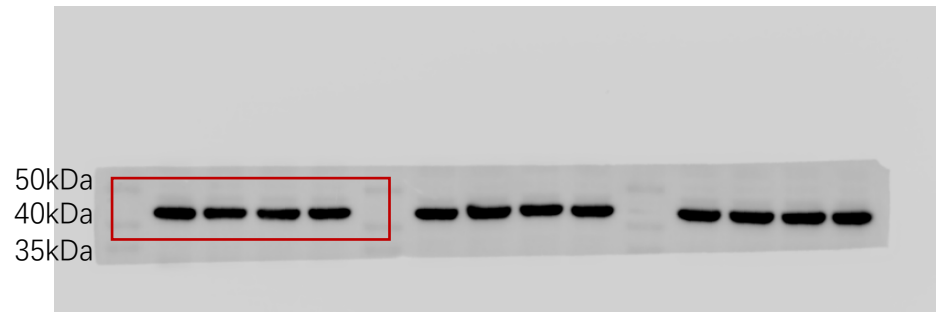
LM3 PTEN



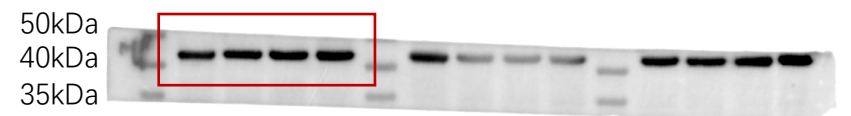
huh7 PTEN



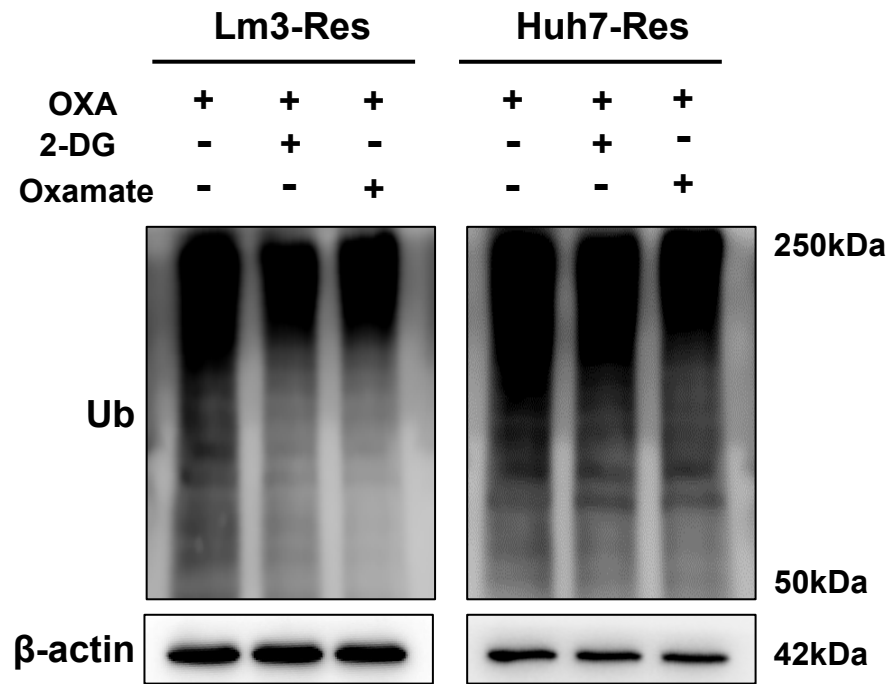
LM3 ACTB

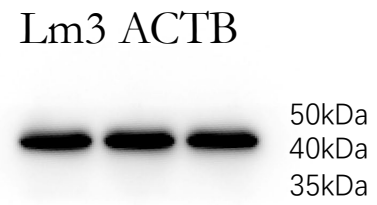
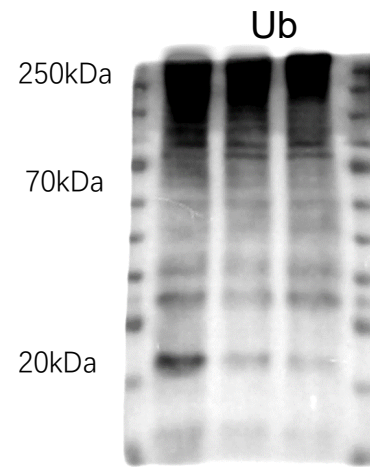
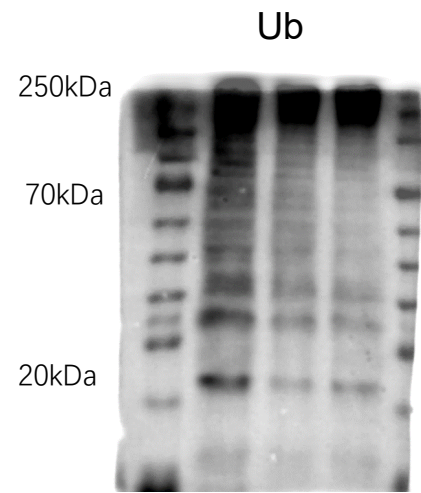


huh7 ACTB

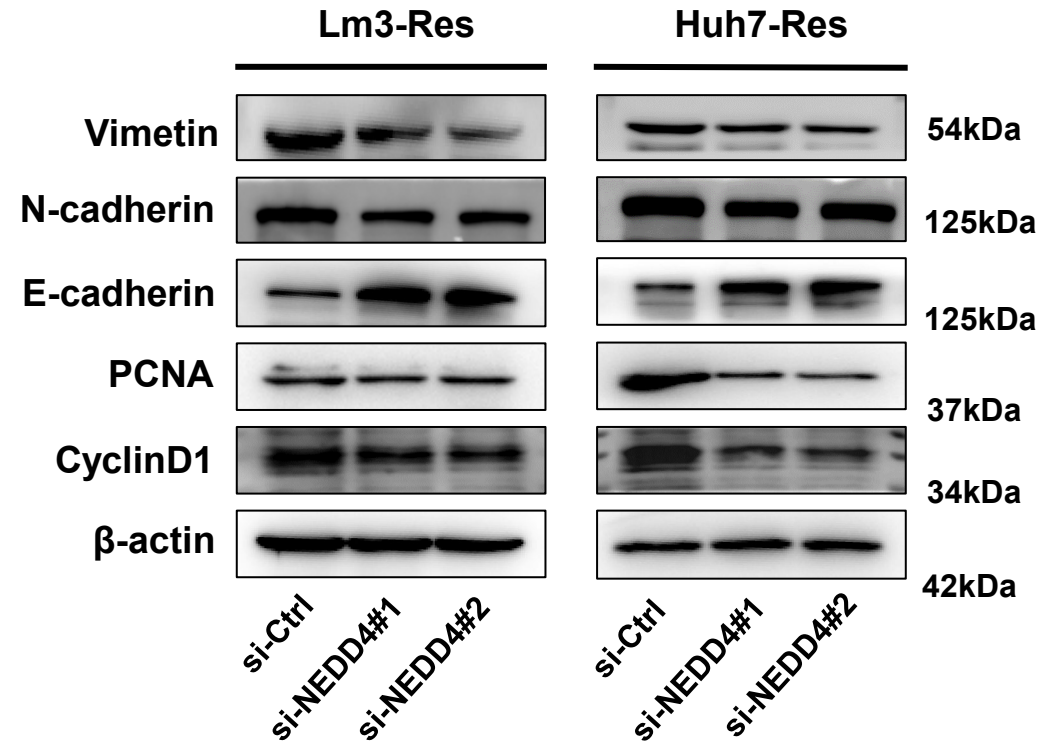


S3.D

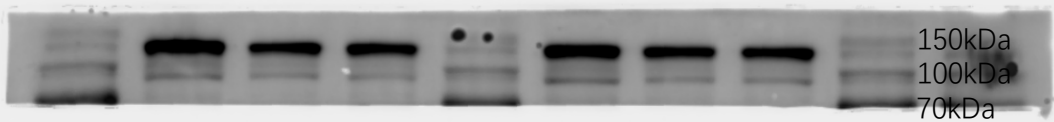




S3.F



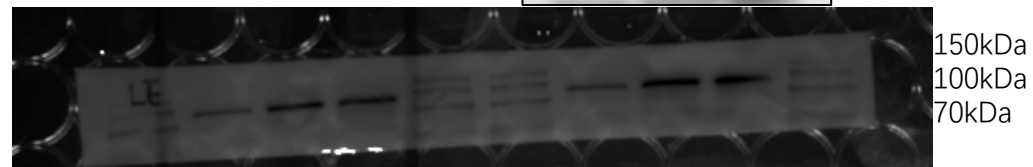
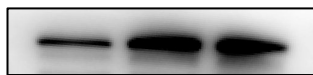
Lm3 N-cadherin



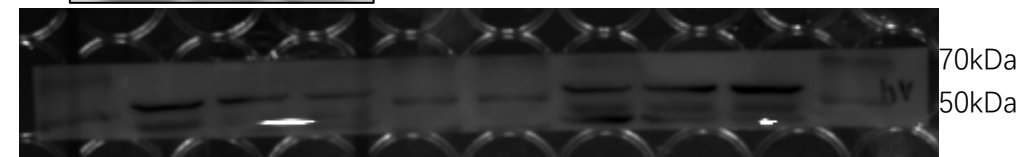
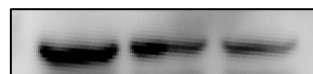
Lm3 PCNA



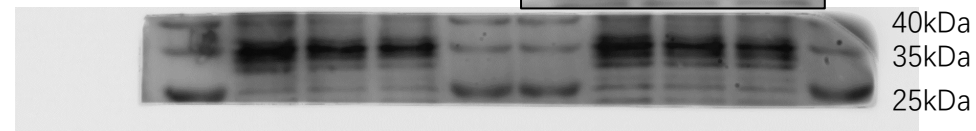
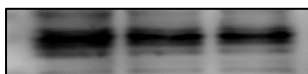
Lm3 E-CA



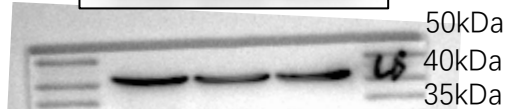
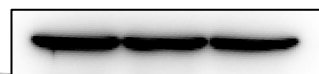
Lm3 Vimetin



Lm3 CYD



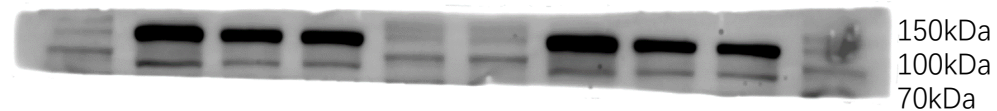
Lm3 ACTB



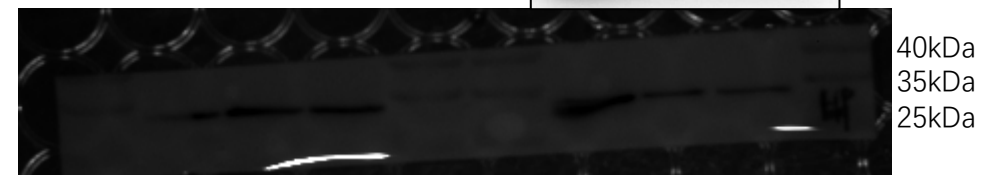
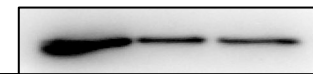
Huh7 E-cadherin



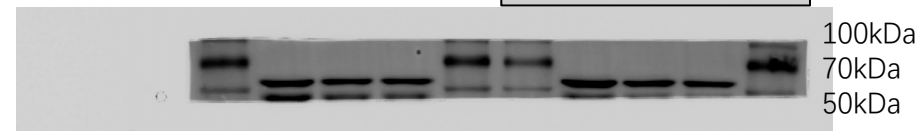
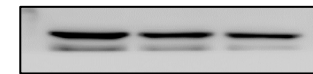
Huh7 N-cadherin



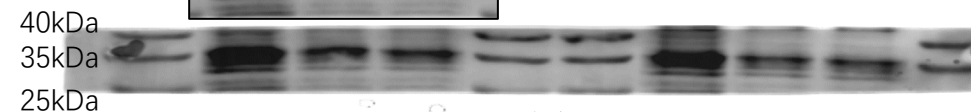
Huh7 PCNA



huh7 Vimetin



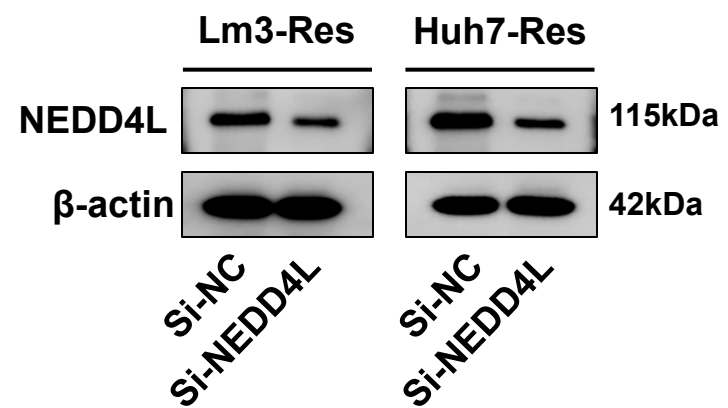
huh7 CYD



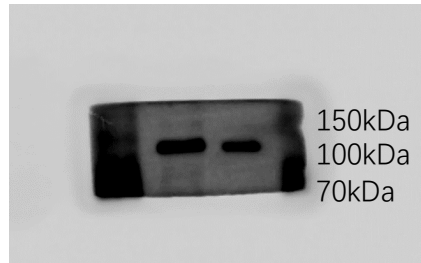
Huh7 ACTB



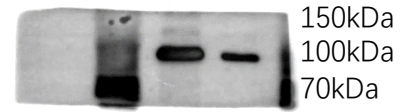
S5.A



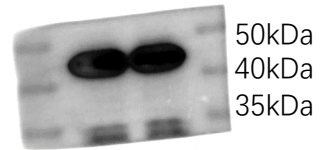
NEDD4L 112kDa



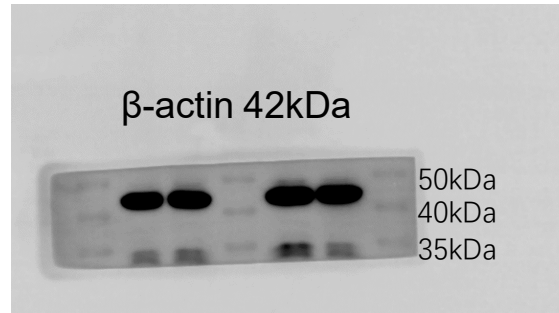
NEDD4L 112kDa



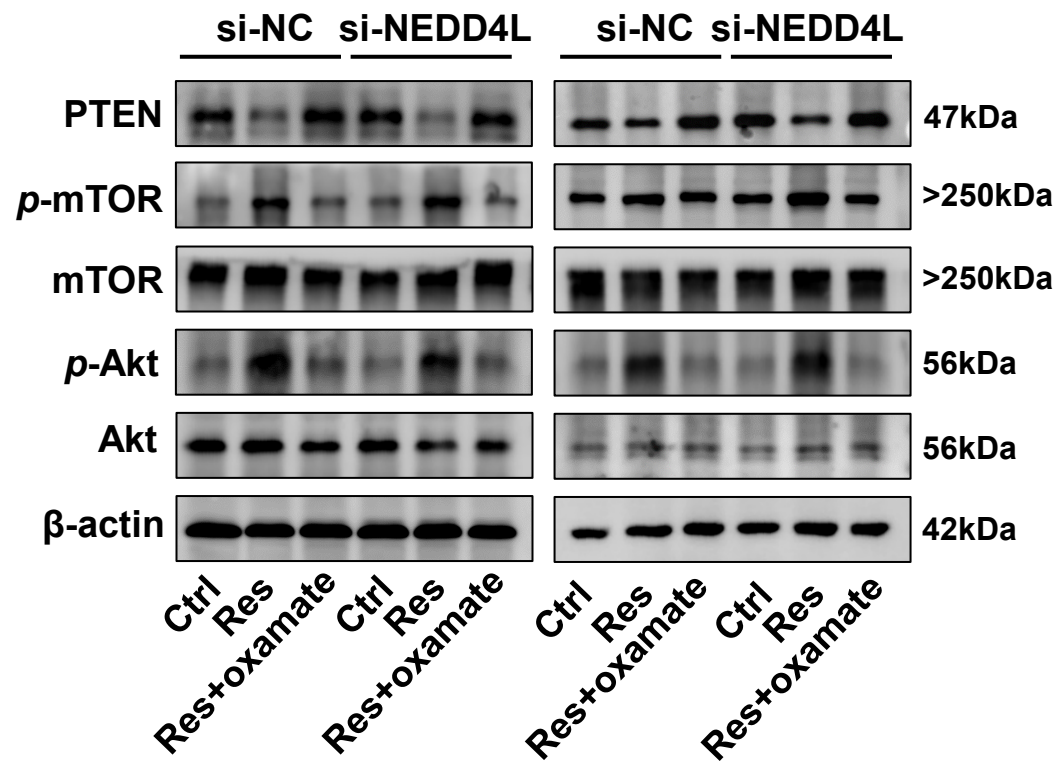
β -actin 42kDa



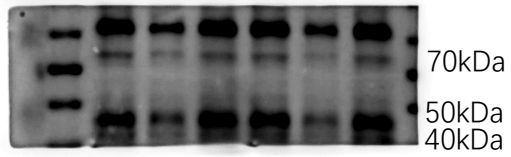
β -actin 42kDa



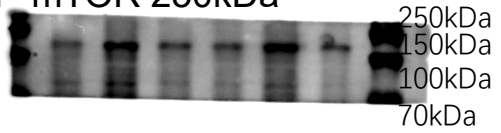
S5.B



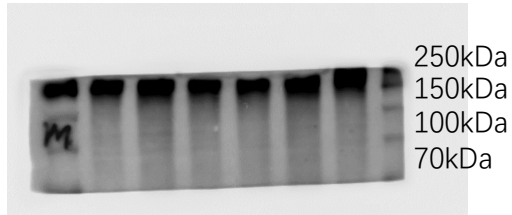
PTEN 47kDa



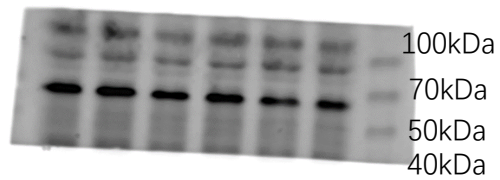
P-mTOR 250kDa



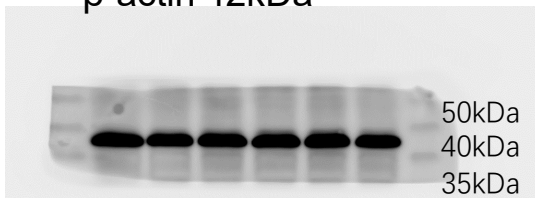
mTOR 250kDa



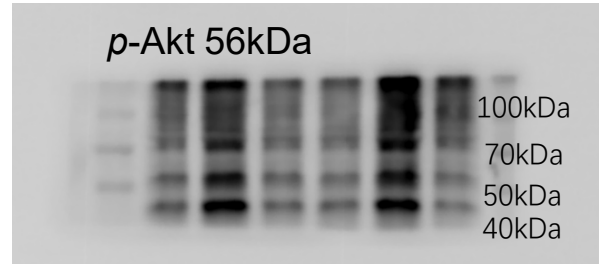
Akt 56kDa



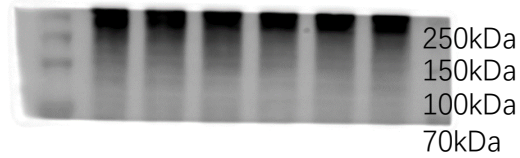
β -actin 42kDa



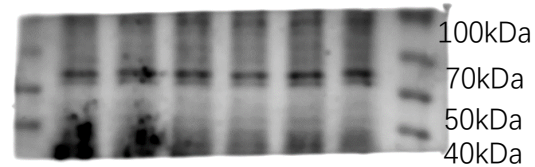
p-Akt 56kDa



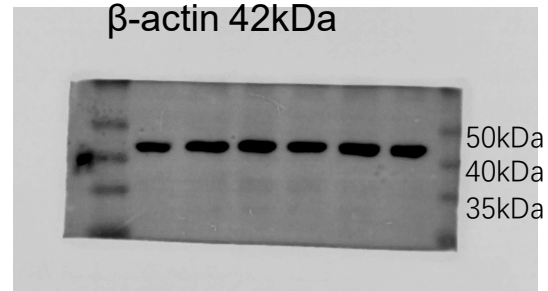
mTOR 250kDa



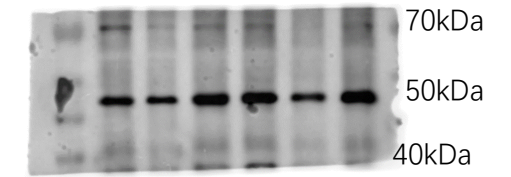
Akt 56kDa



β -actin 42kDa



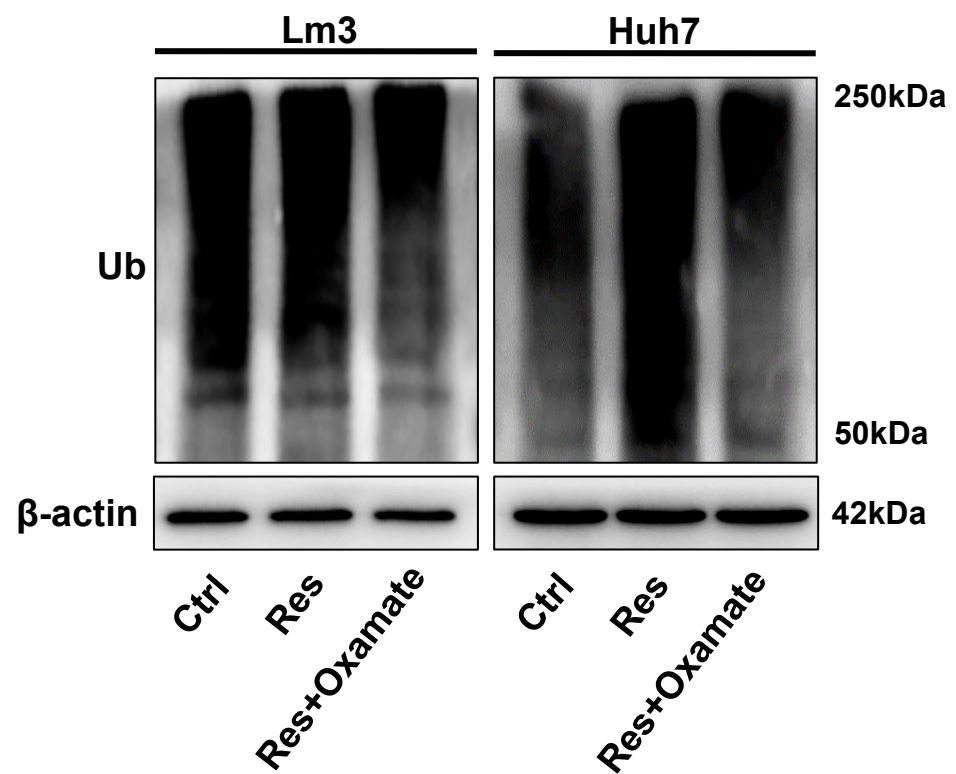
PTEN 47kDa

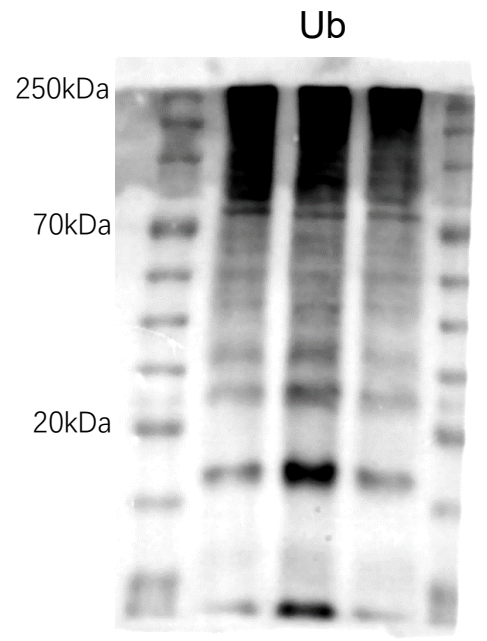
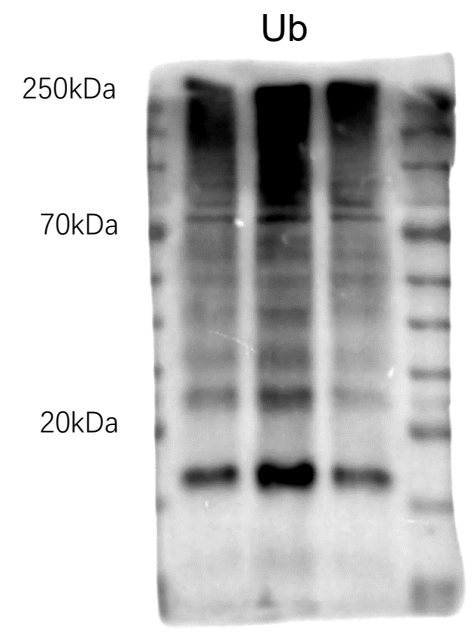
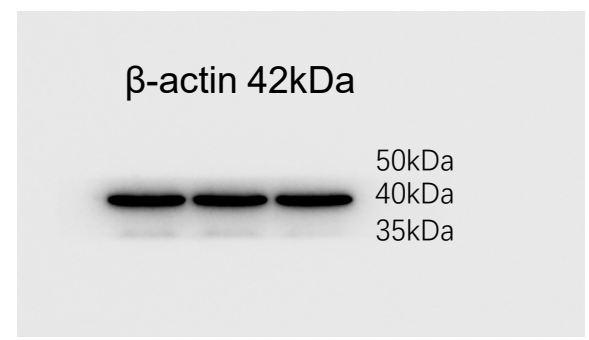
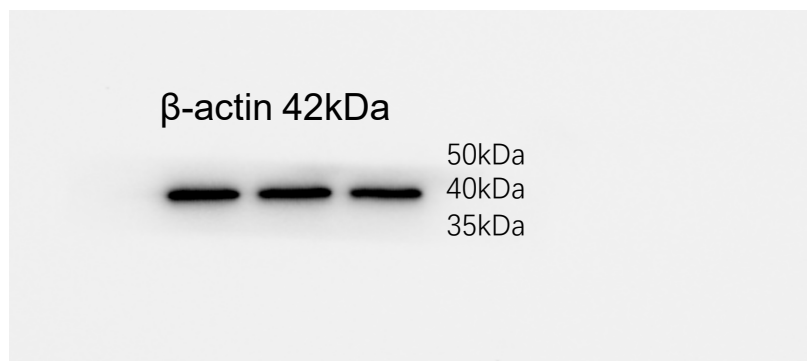


P-mTOR 250kDa

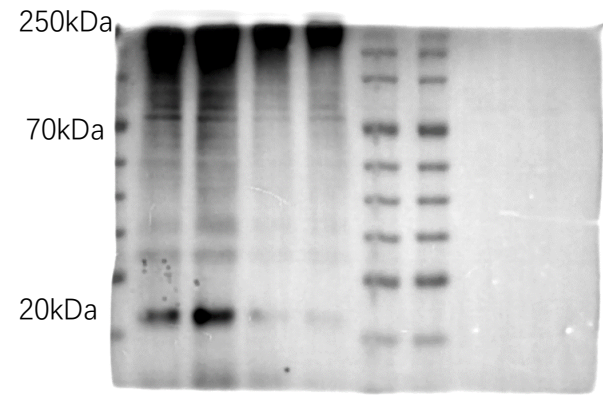


S5.C

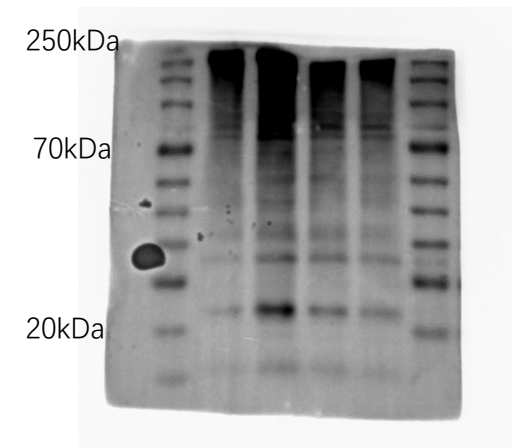




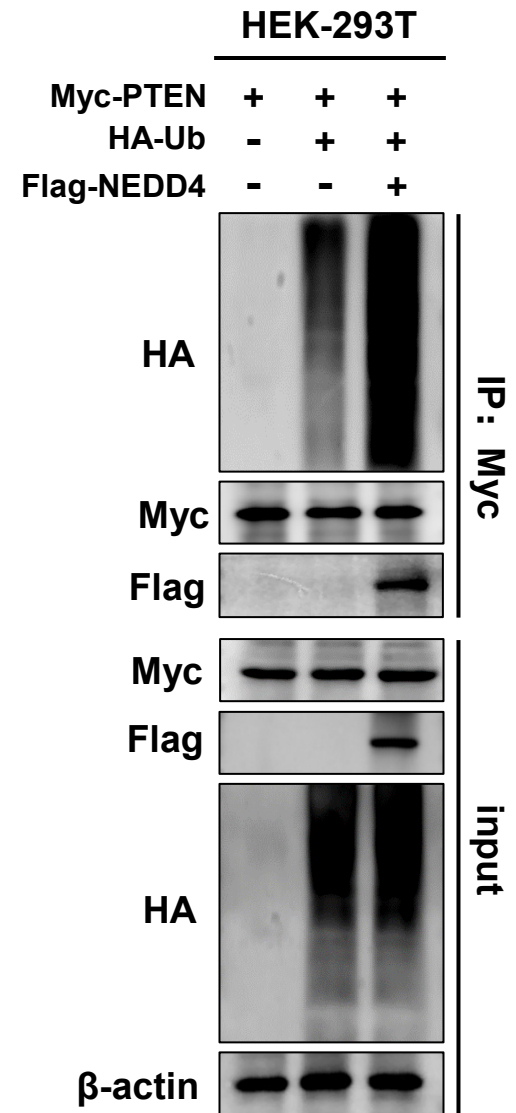
Ub



Ub



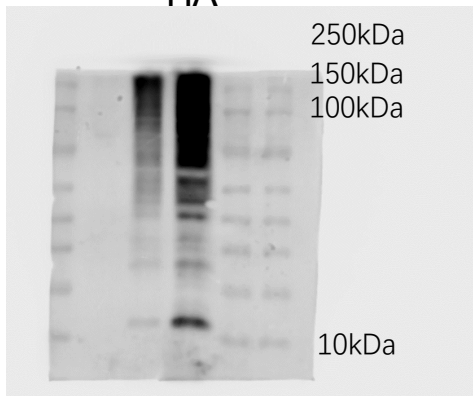
S6.A



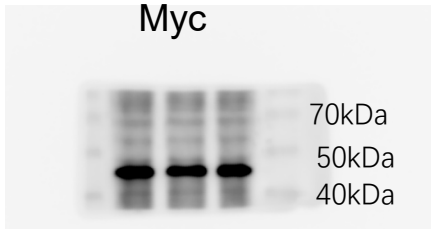
β -actin



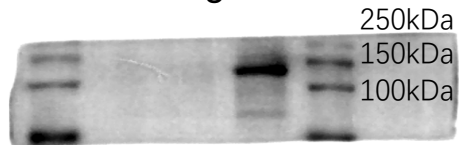
HA



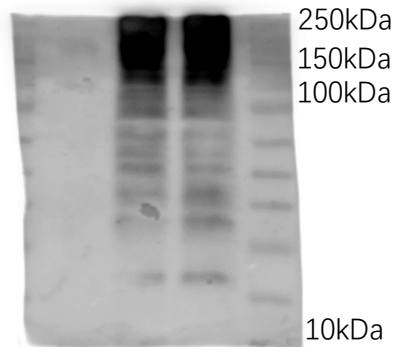
Myc



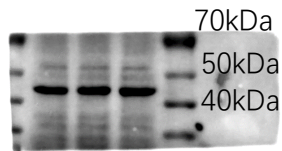
Flag



HA



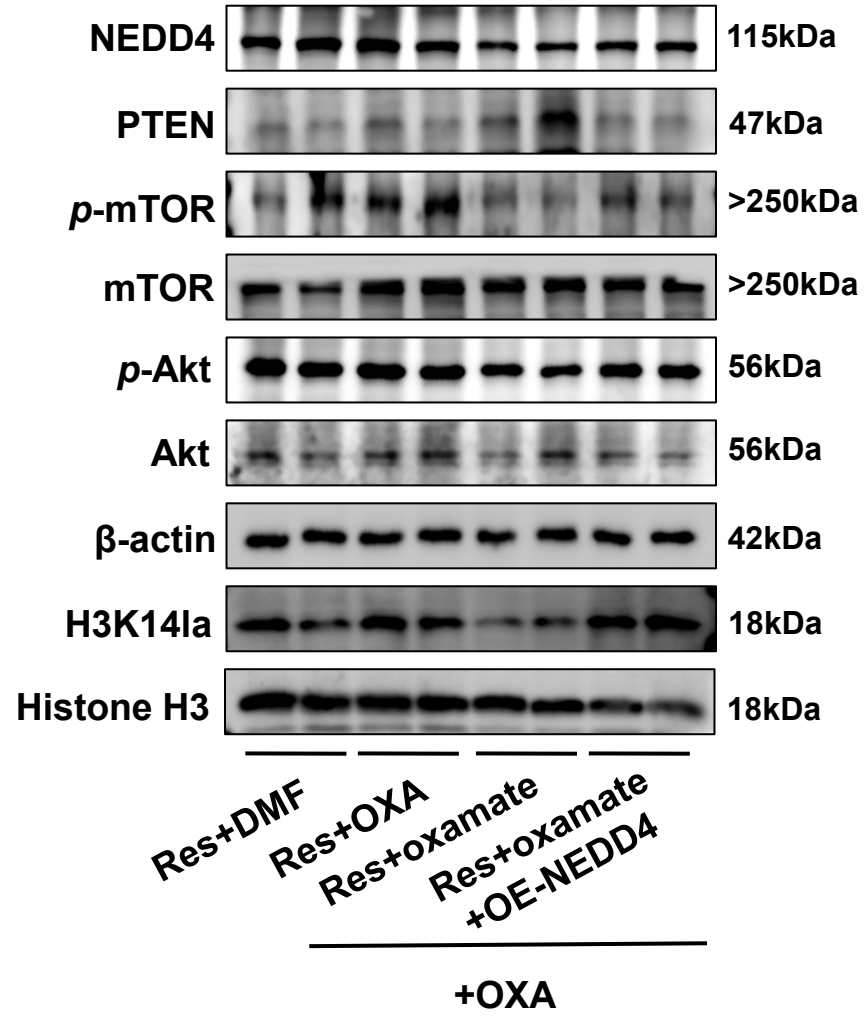
Input Myc



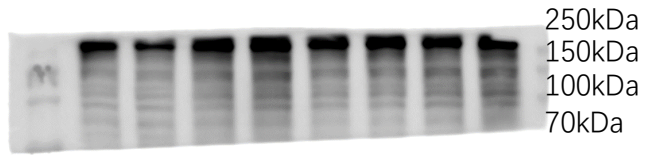
Input:Flag



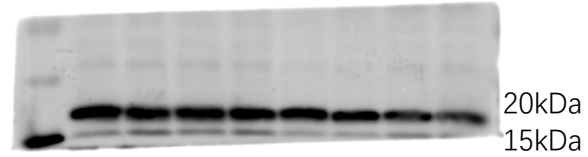
S7.B



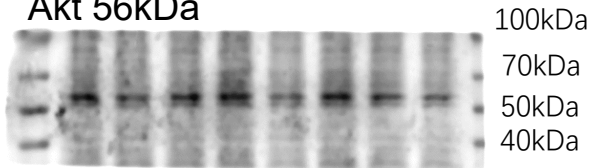
mTOR 250kDa



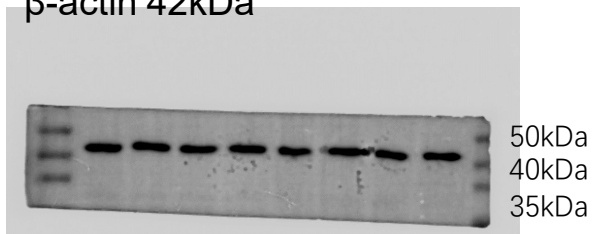
H3 18kDa



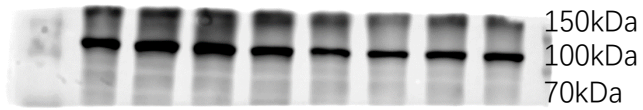
Akt 56kDa



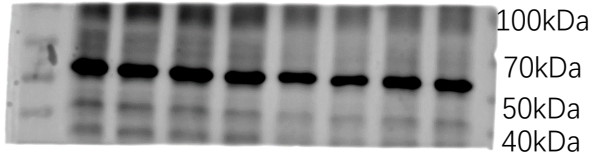
β -actin 42kDa



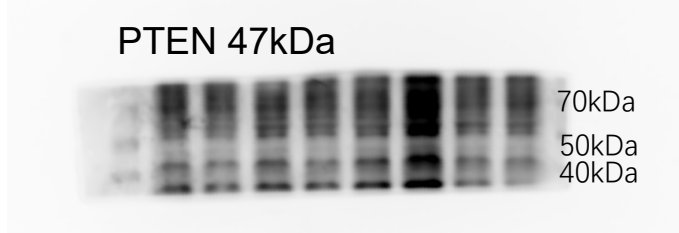
NEDD4 115kDa



p-Akt 56kDa



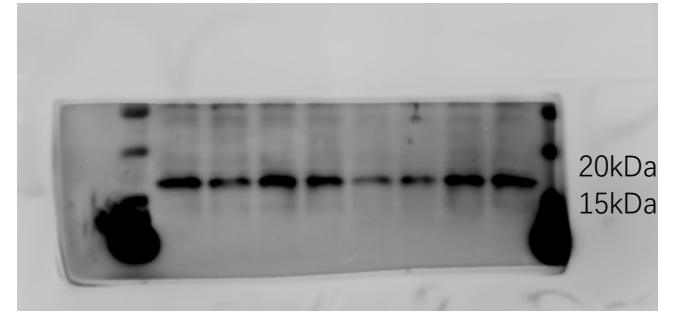
PTEN 47kDa



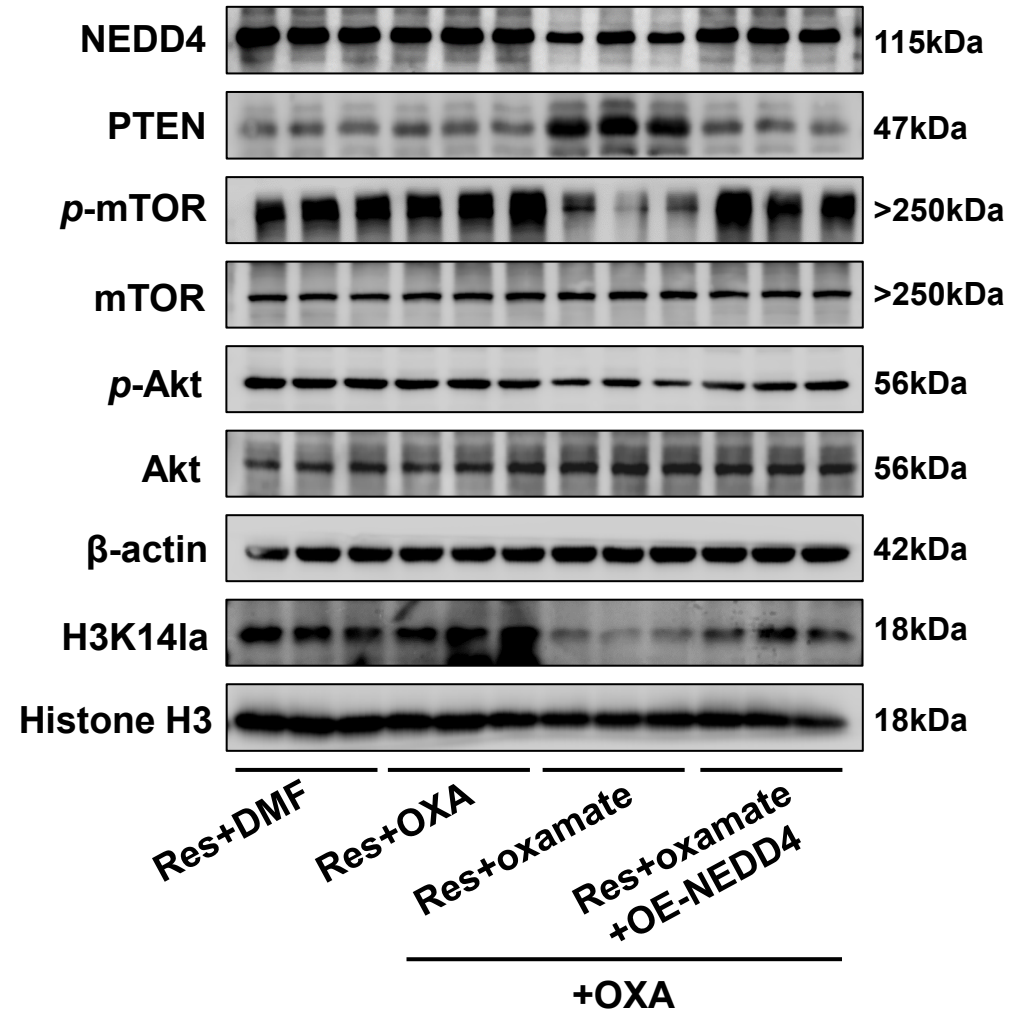
P-mTOR 250kDa



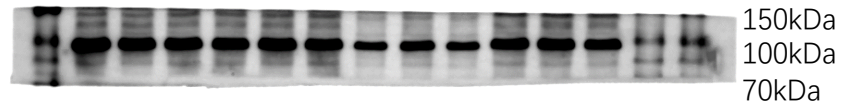
H3K14A 18kDa



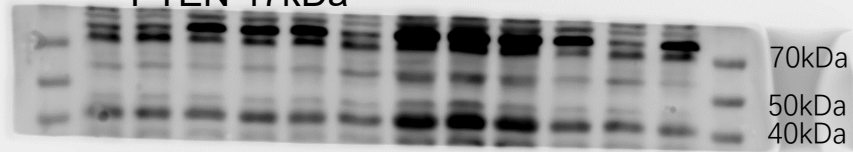
S7.C



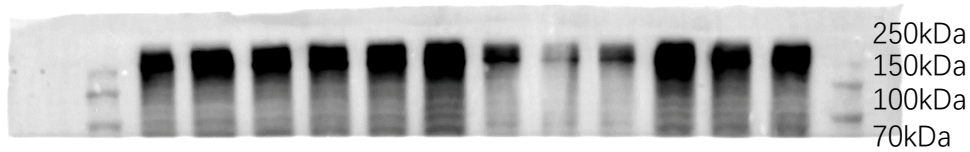
NEDD4 115kDa



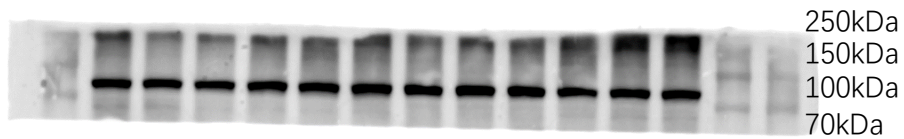
PTEN 47kDa



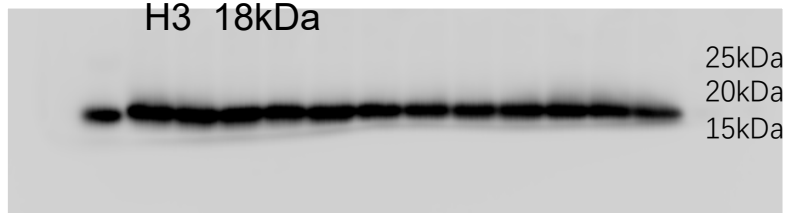
p-mTOR 250kDa



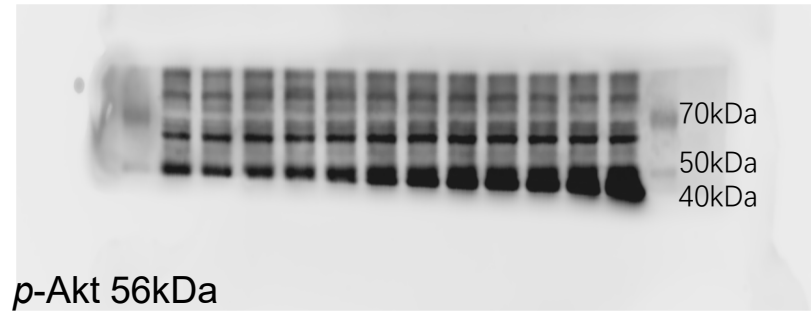
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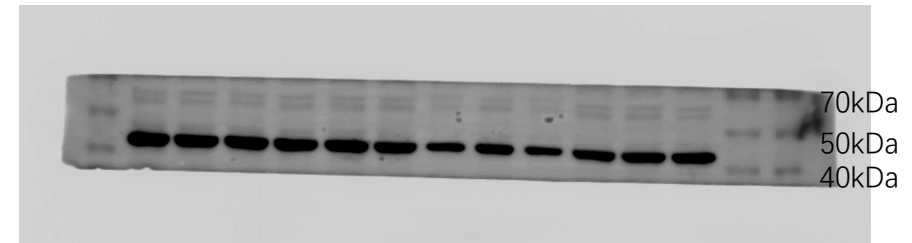
H3 18kDa



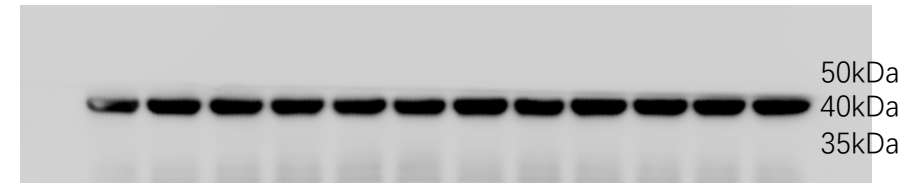
Akt 56kDa



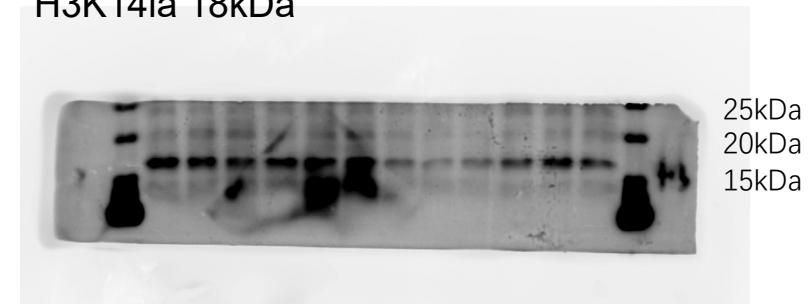
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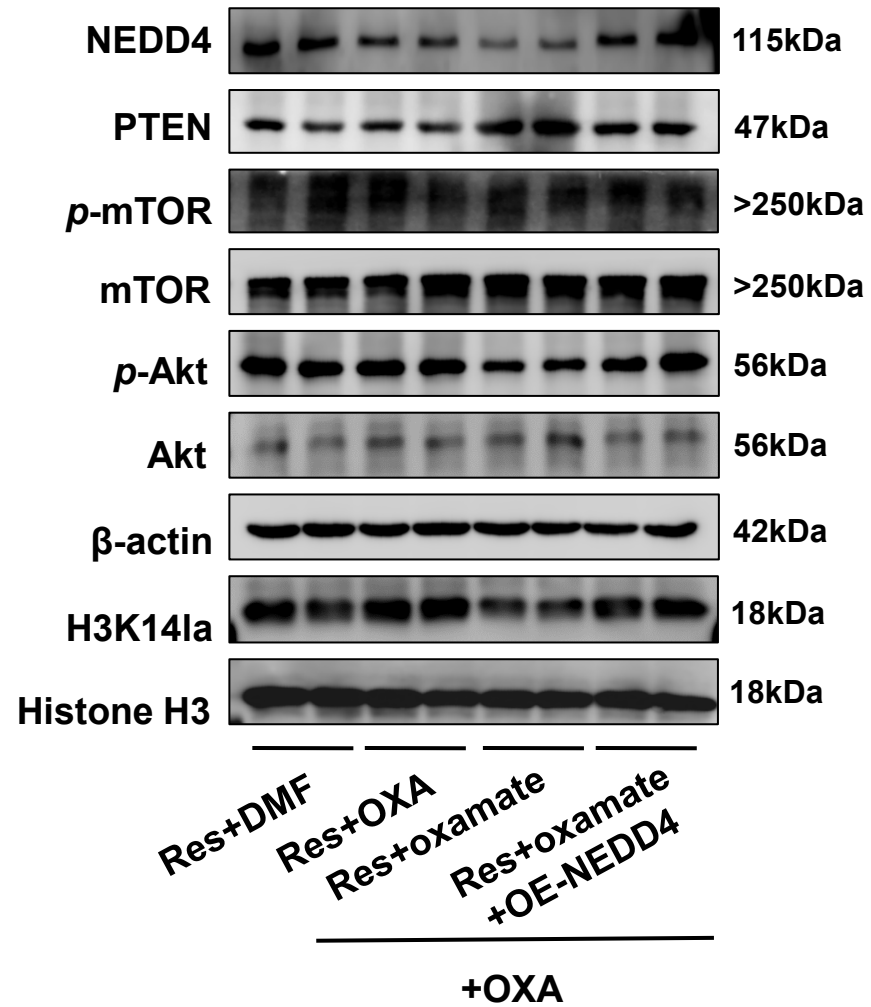
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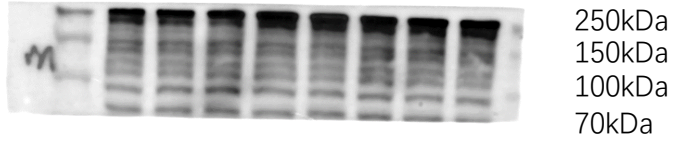
H3K14Ia 18kDa



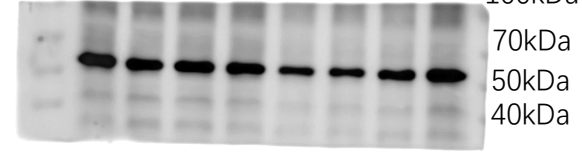
S7.D



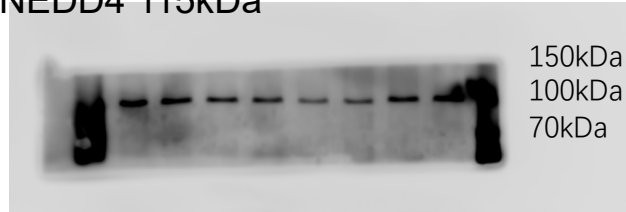
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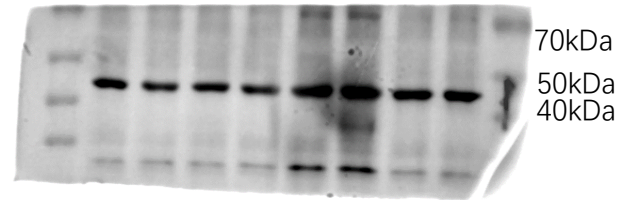
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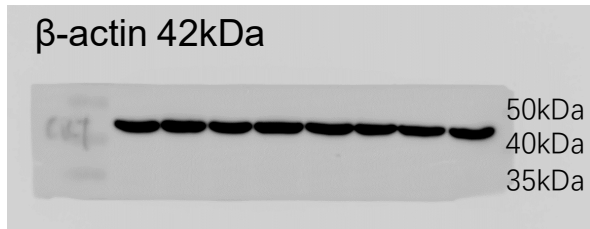
NEDD4 115kDa



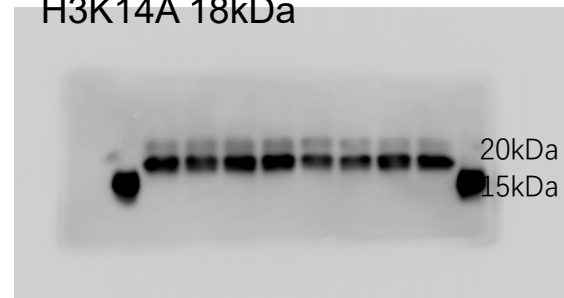
PTEN 47kDa



β -actin 42kDa



H3K14A 18kDa



P-mTOR 250kDa



H3 18kDa

