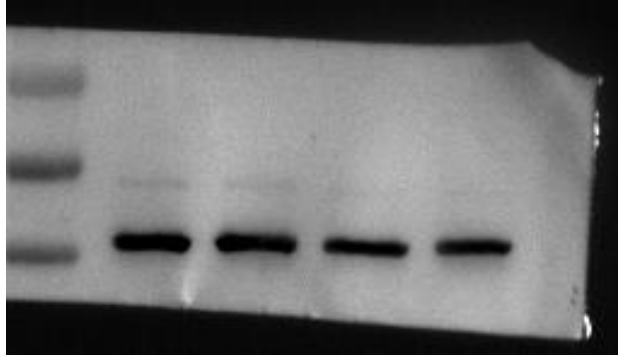
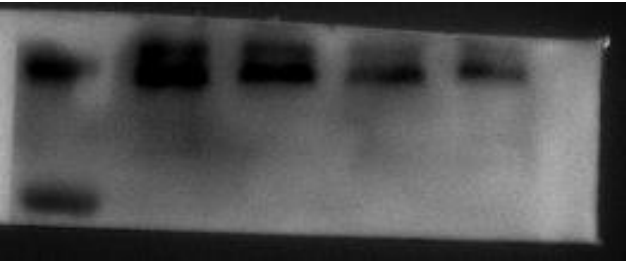


Figure 1

CELL-BUMPT

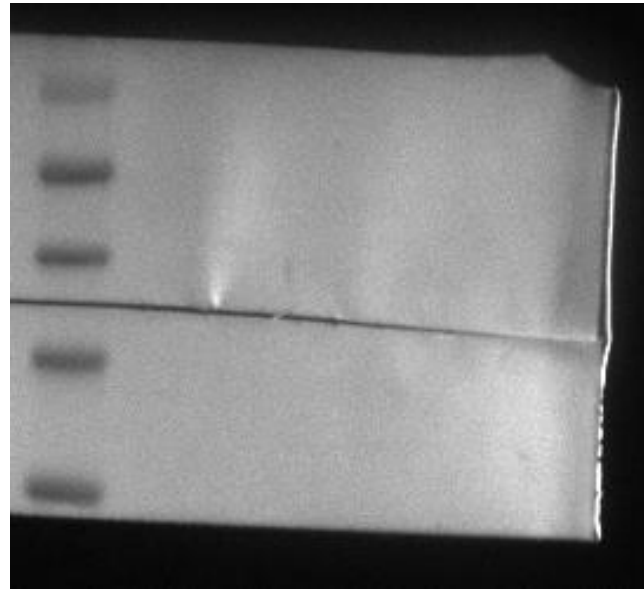
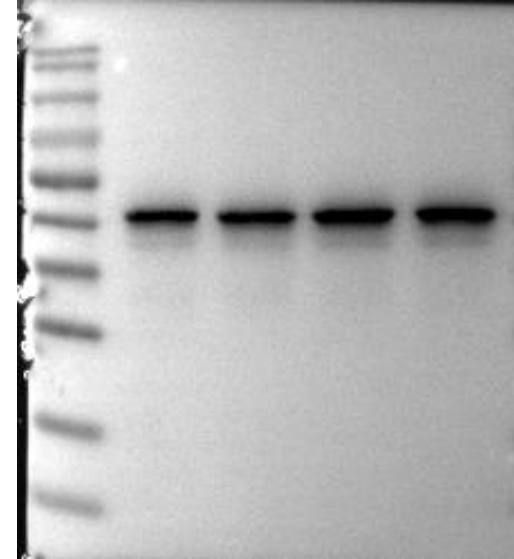


β -actin



WBP2

MICE-KIDNEY



Merge

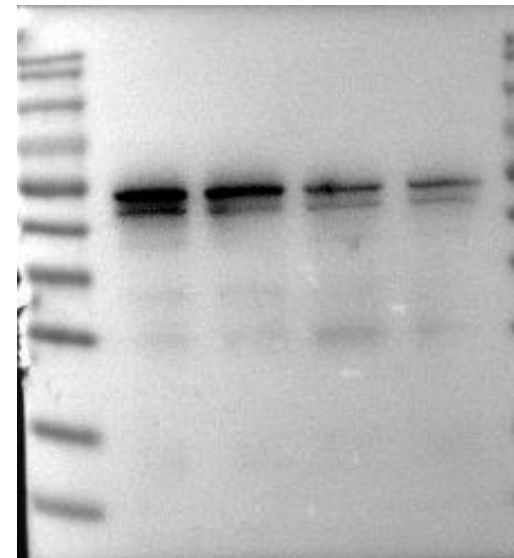
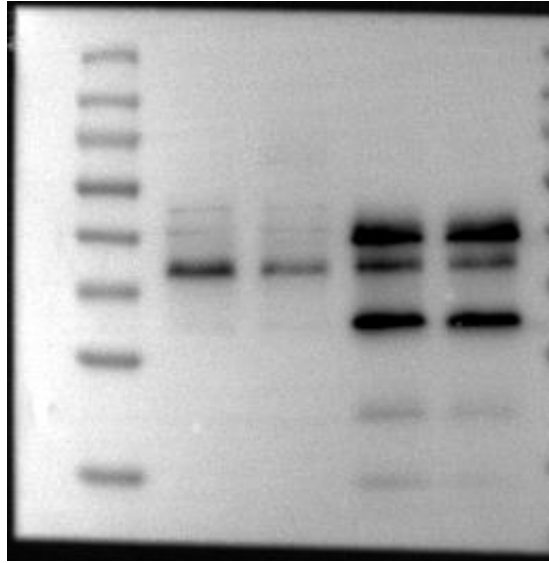


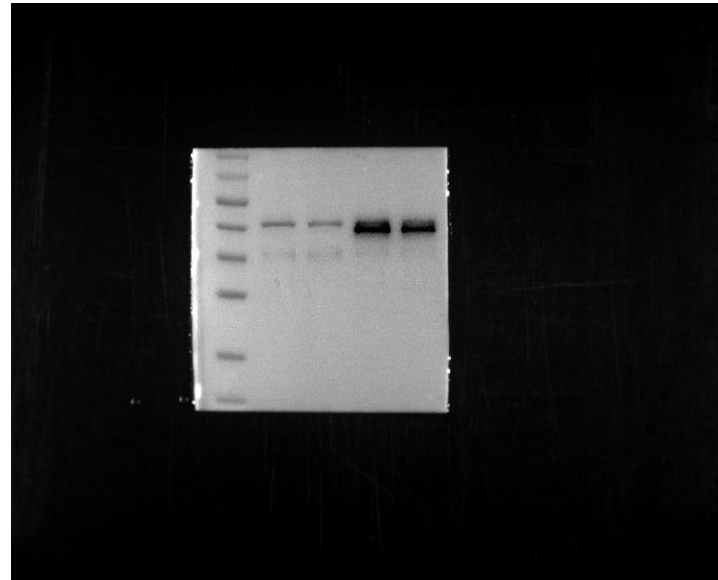
Figure 2 CELL-BUMPT

Lv-WBP2

WBP2

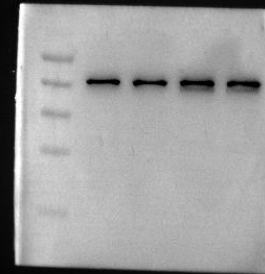
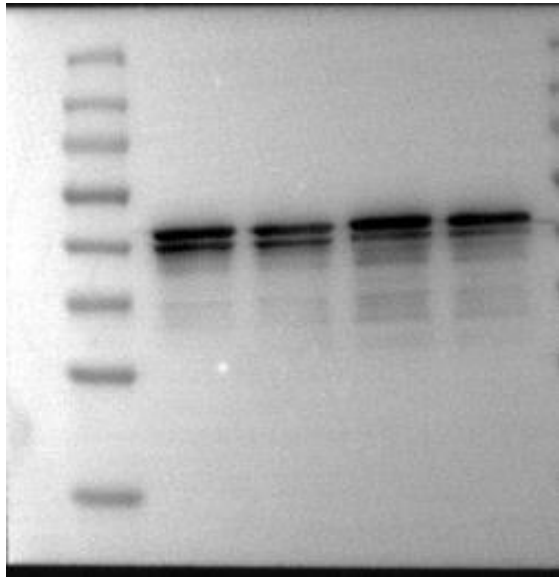


FLAG



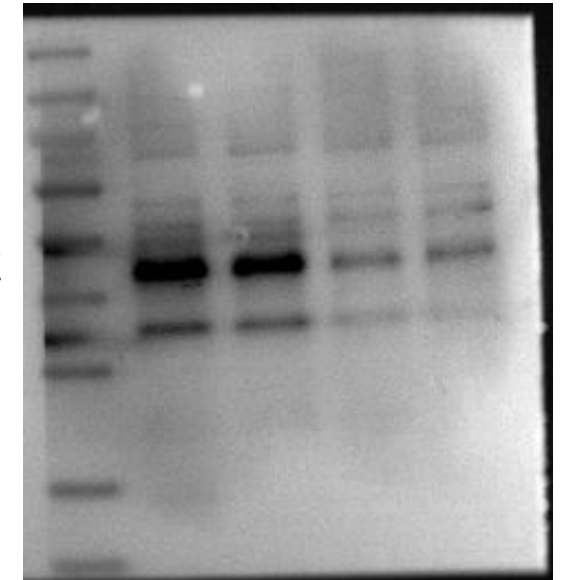
Lv-WBP2

β -actin



Lv-shWBP2

WBP2



β -actin

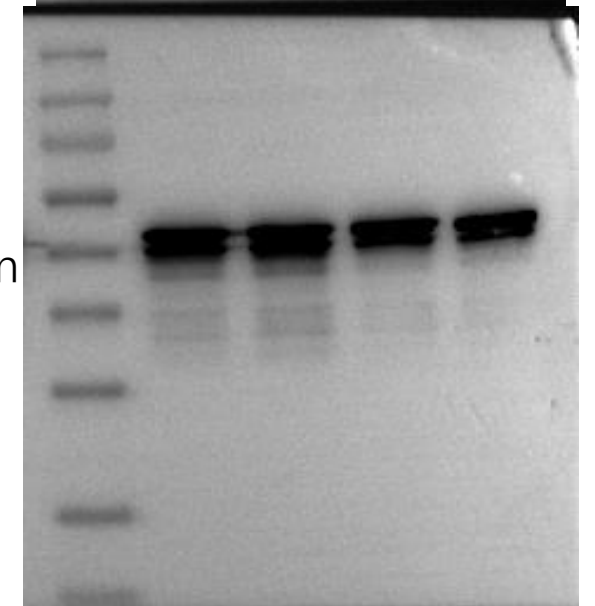


Figure 3 MICE-KIDNEY

Ad-WBP2

Ad-shWBP2

Ad-WBP2

Ad-shWBP2

KIM1

β -actin

Merge

NGAL

β -actin

Merge

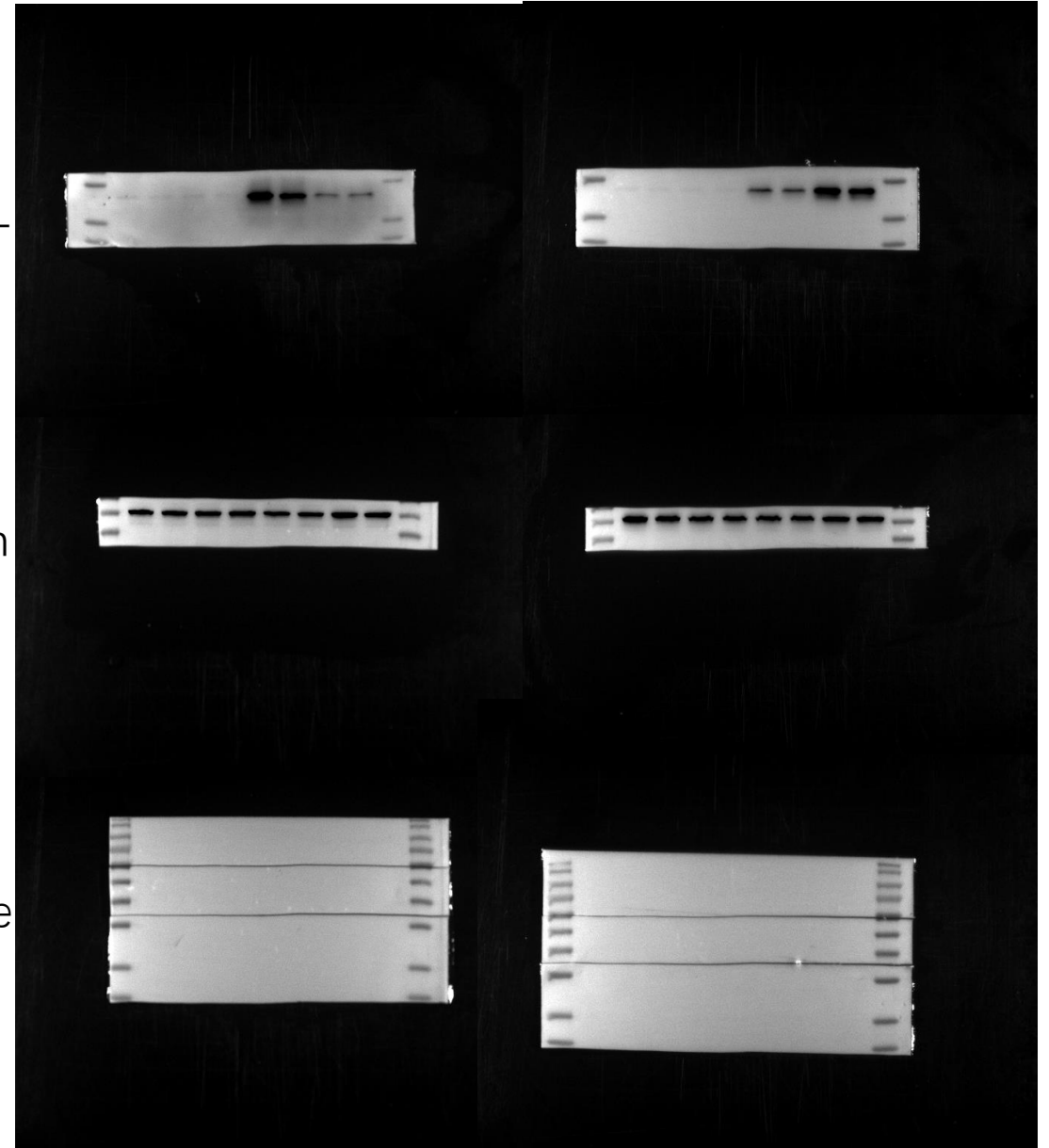
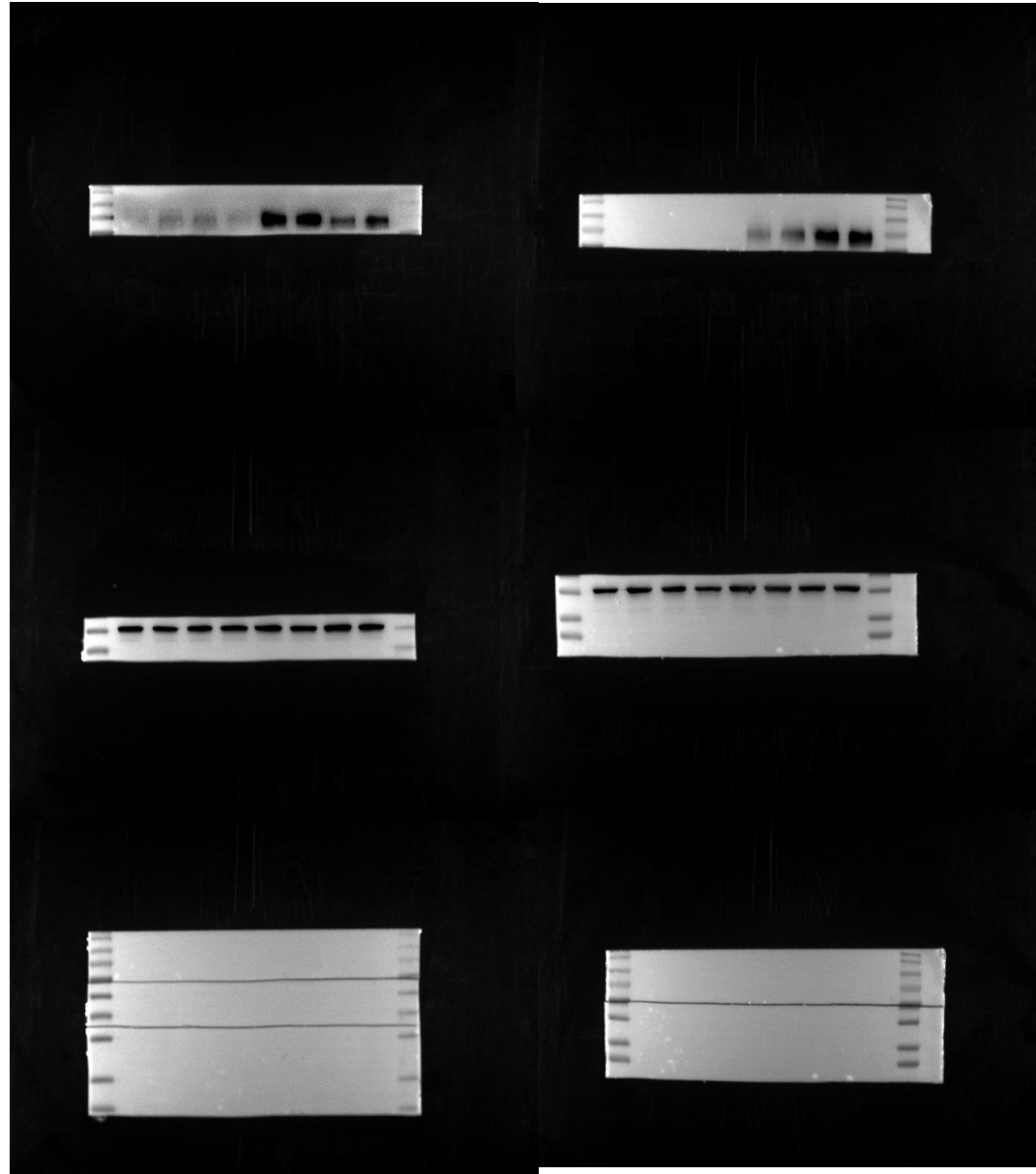
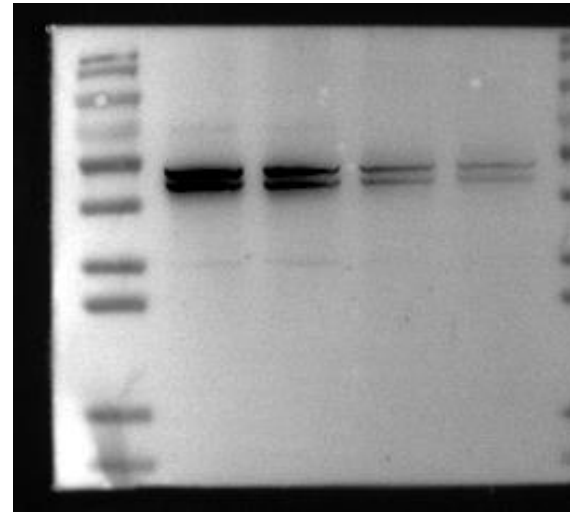
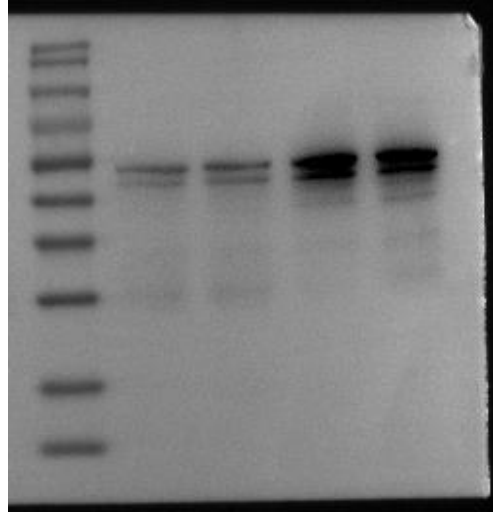


Figure 3 MICE-KIDNEY

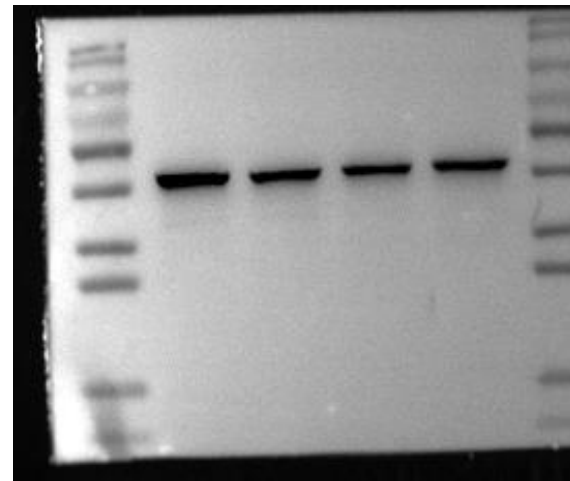
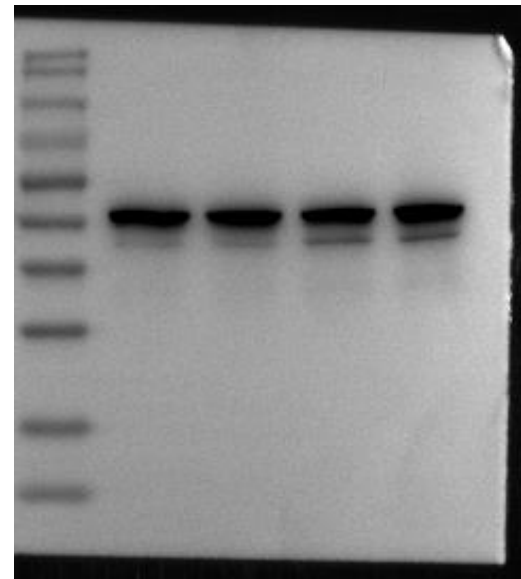
Ad-WBP2

Ad-shWBP2

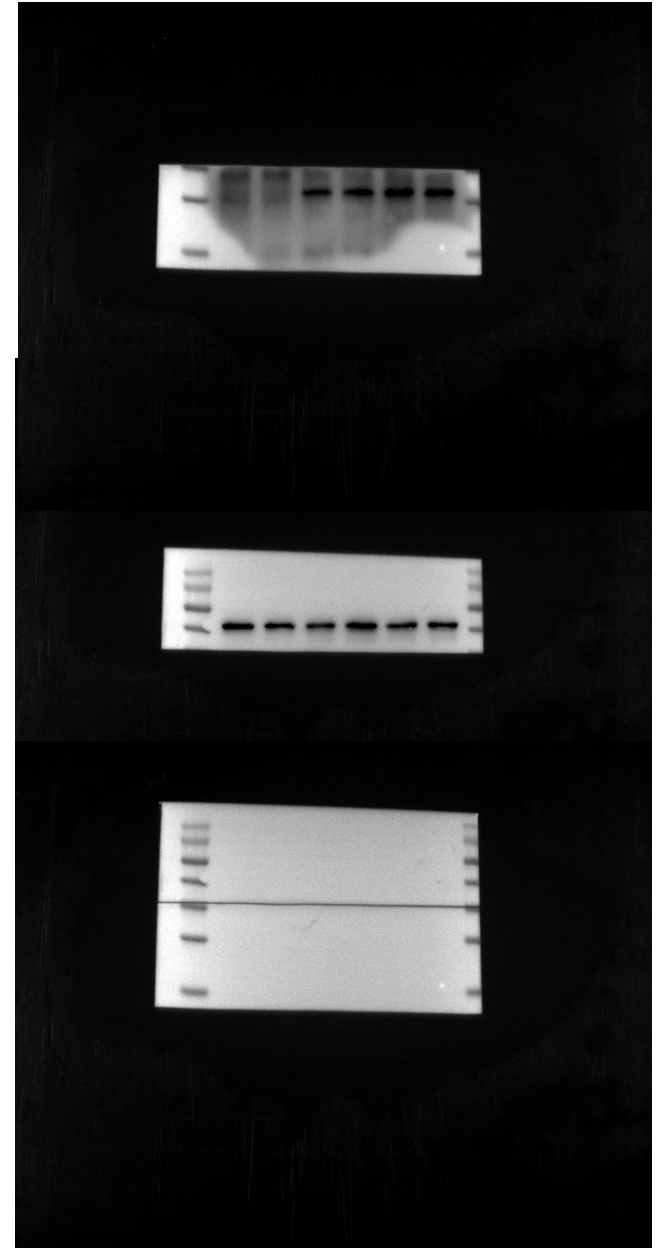
WBP2



β -actin



GFP



β -actin

Merge

Figure 4

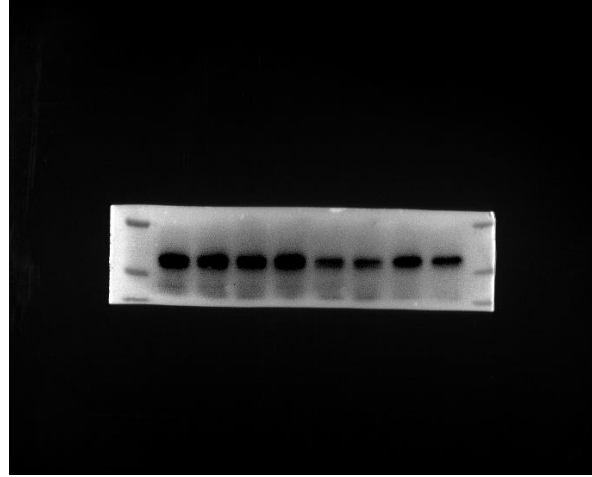
CELL-BUMPT

Lv-WBP2

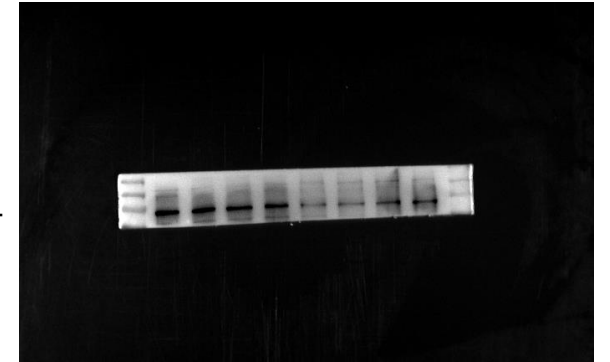
FTH1



GPX4



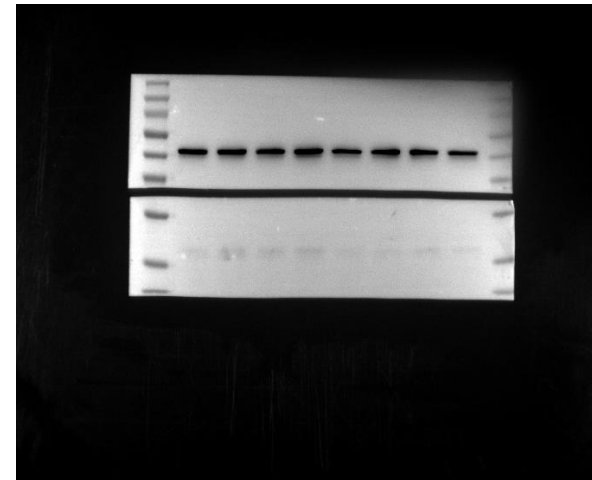
NCOA4



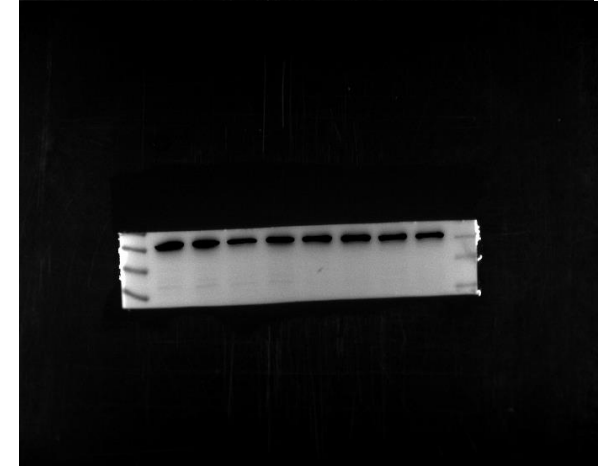
β -actin



β -actin



β -actin



Merge



Figure 4 CELL-BUMPT Lv-shWBP2

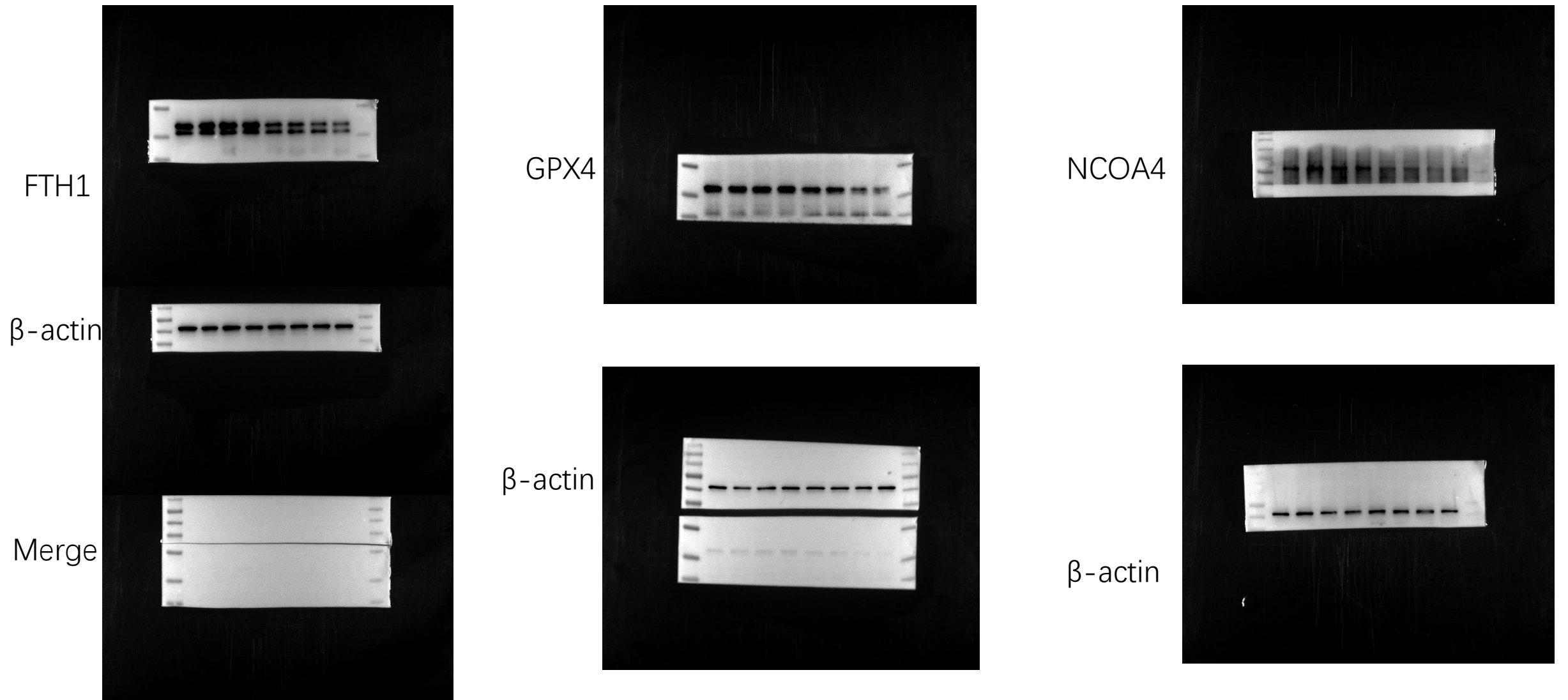
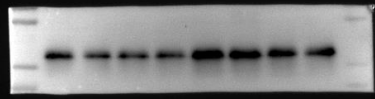
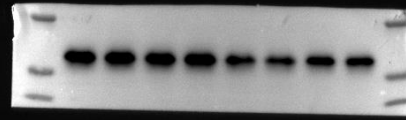


Figure 5 MICE-KIDNEY Ad-WBP2

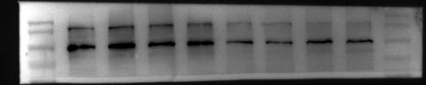
FTH1



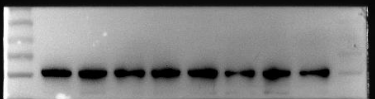
GPX4



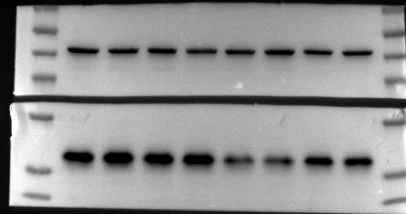
NCOA4



β -actin



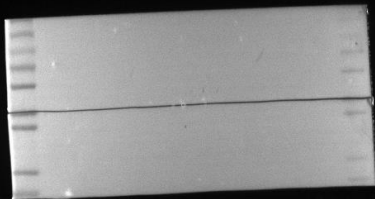
β -actin



β -actin



Merge



Merge

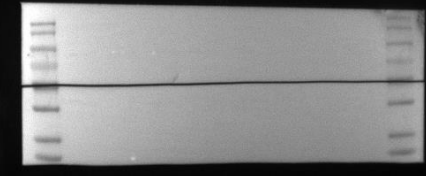
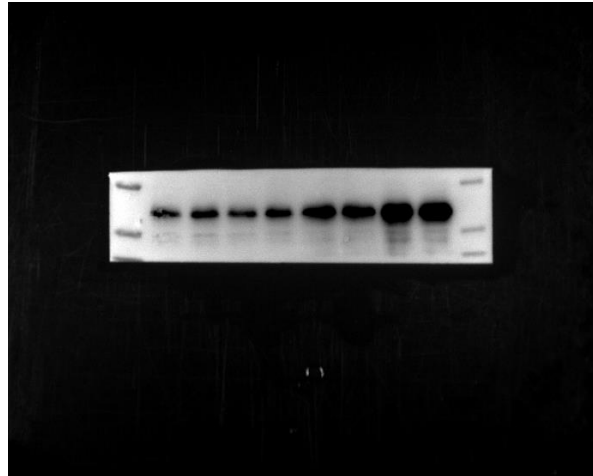
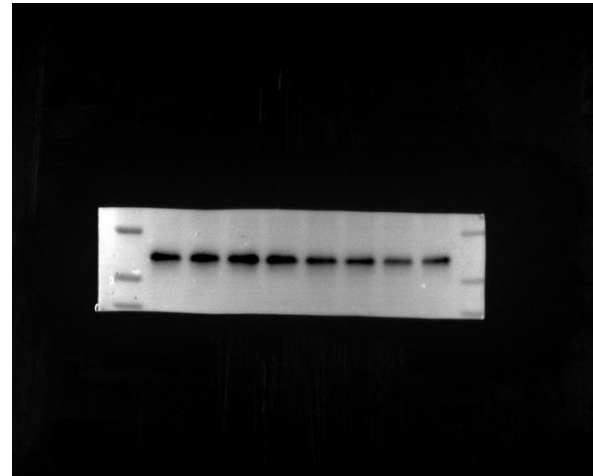


Figure 5 MICE-KIDNEY Ad-shWBP2

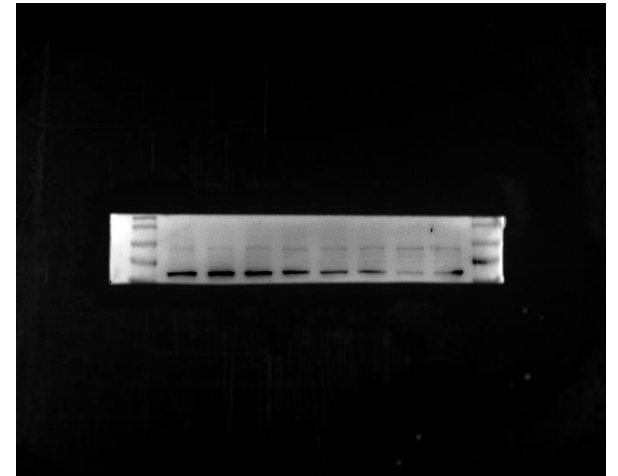
FTH1



GPX4

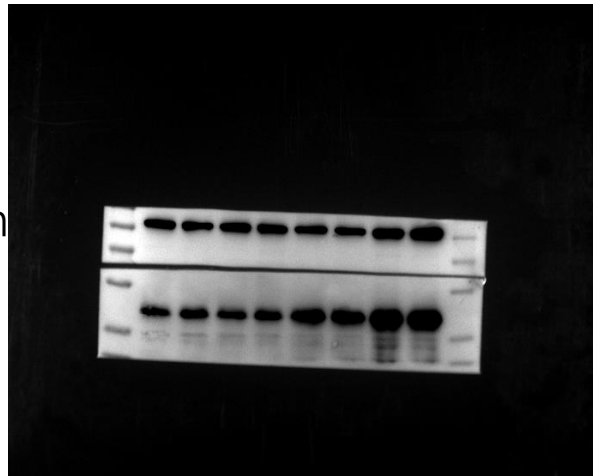


NCOA4

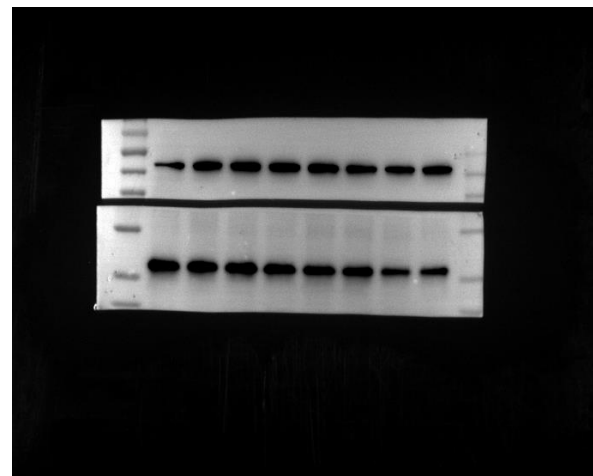


β -actin

Merge



β -actin



β -actin



Figure 6 HPT cells

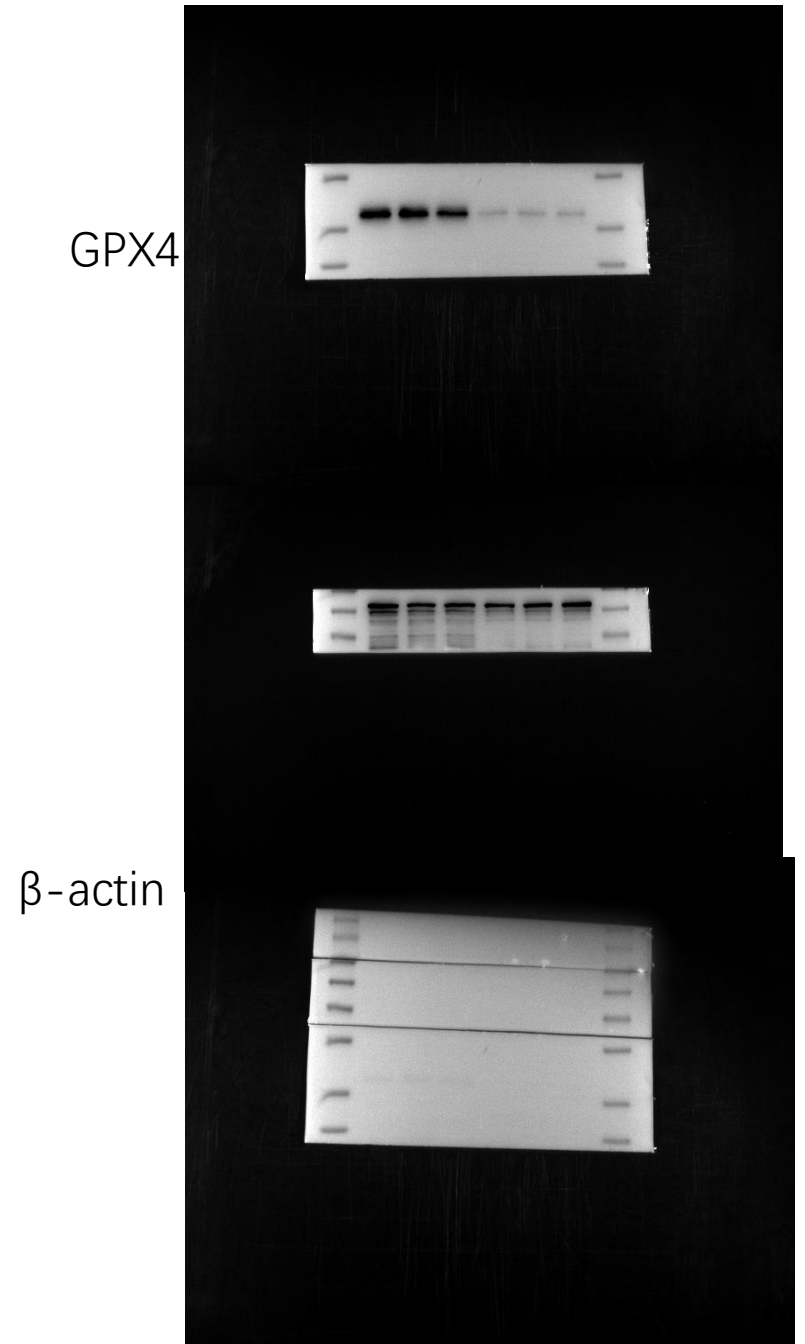
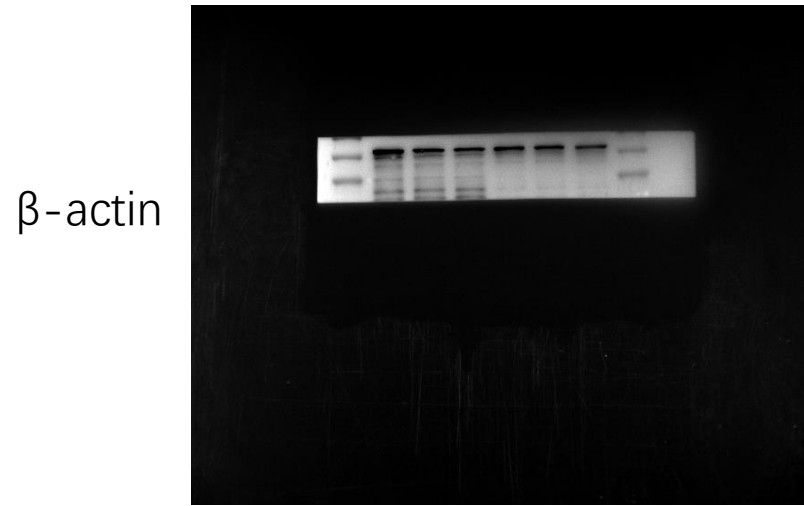
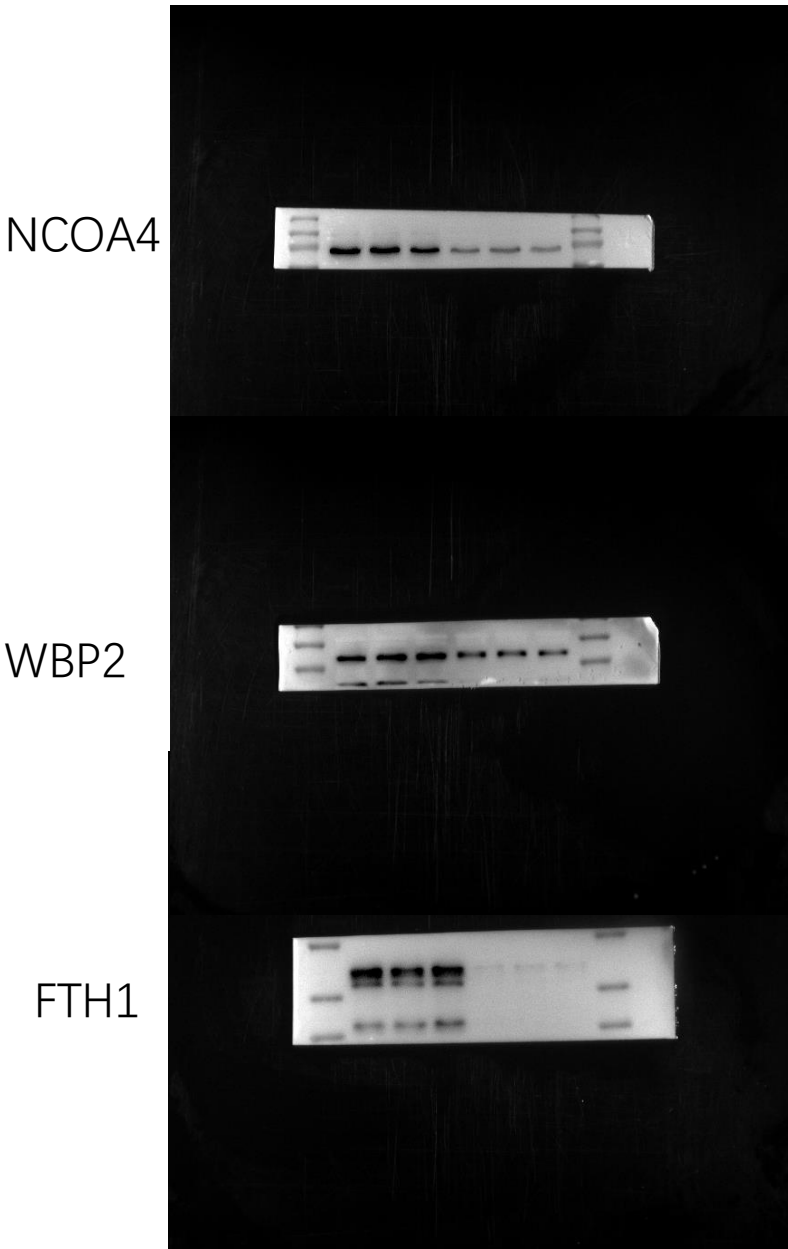


Figure 7

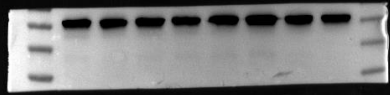
MICE-KIDNEY

RESCUE

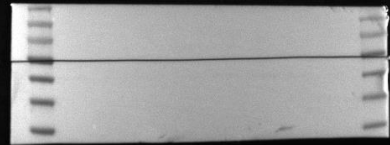
KIM1



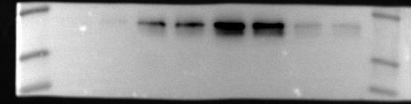
β -actin



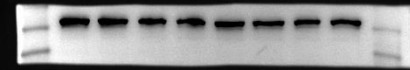
Merge



NGAL



β -actin



Merge

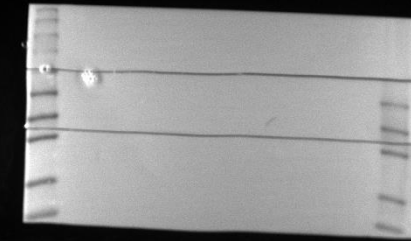


Figure 7

CELL-BUMPT RESCUE

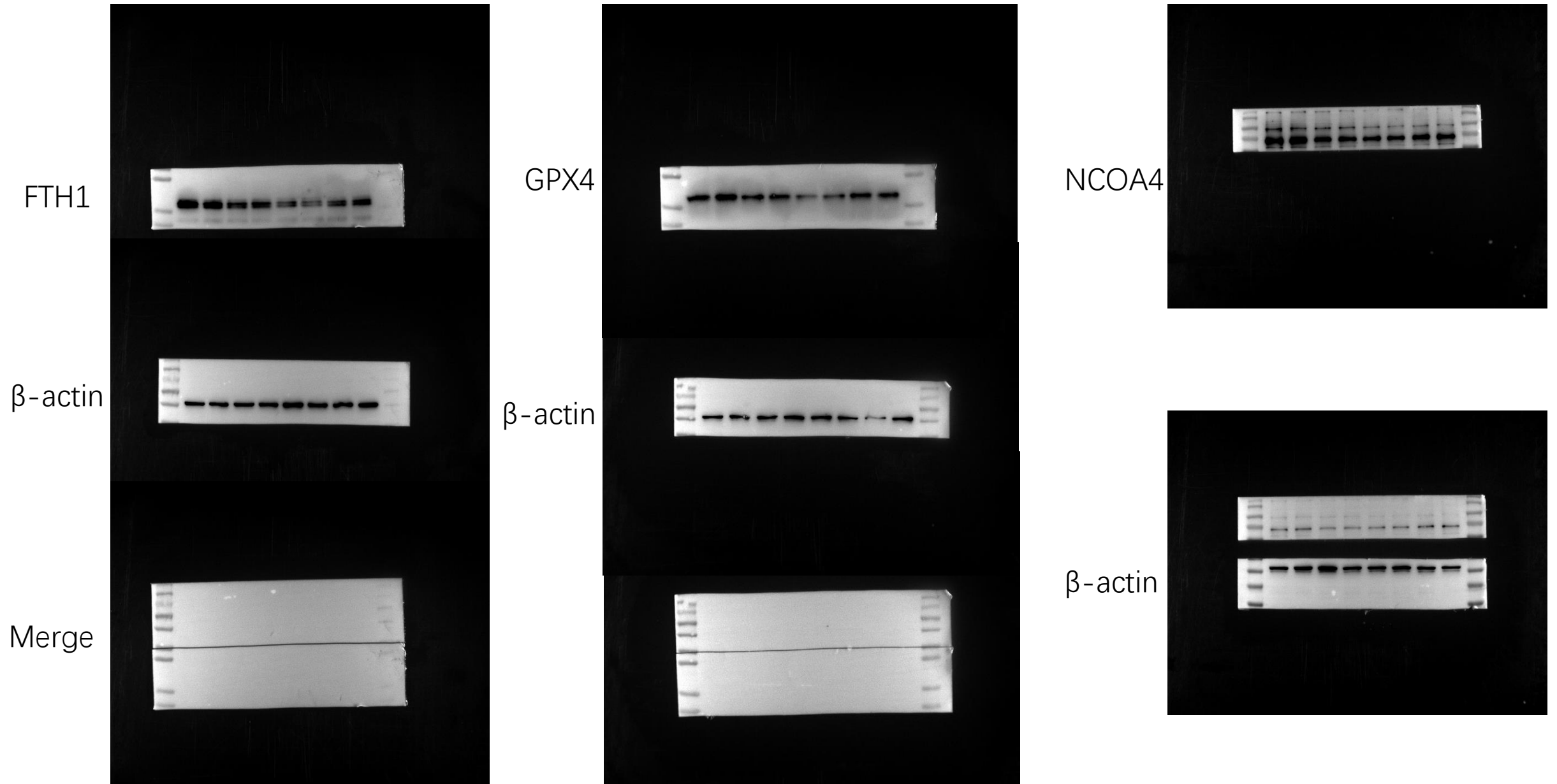


Figure 7 MICE-KIDNEY RESCUE

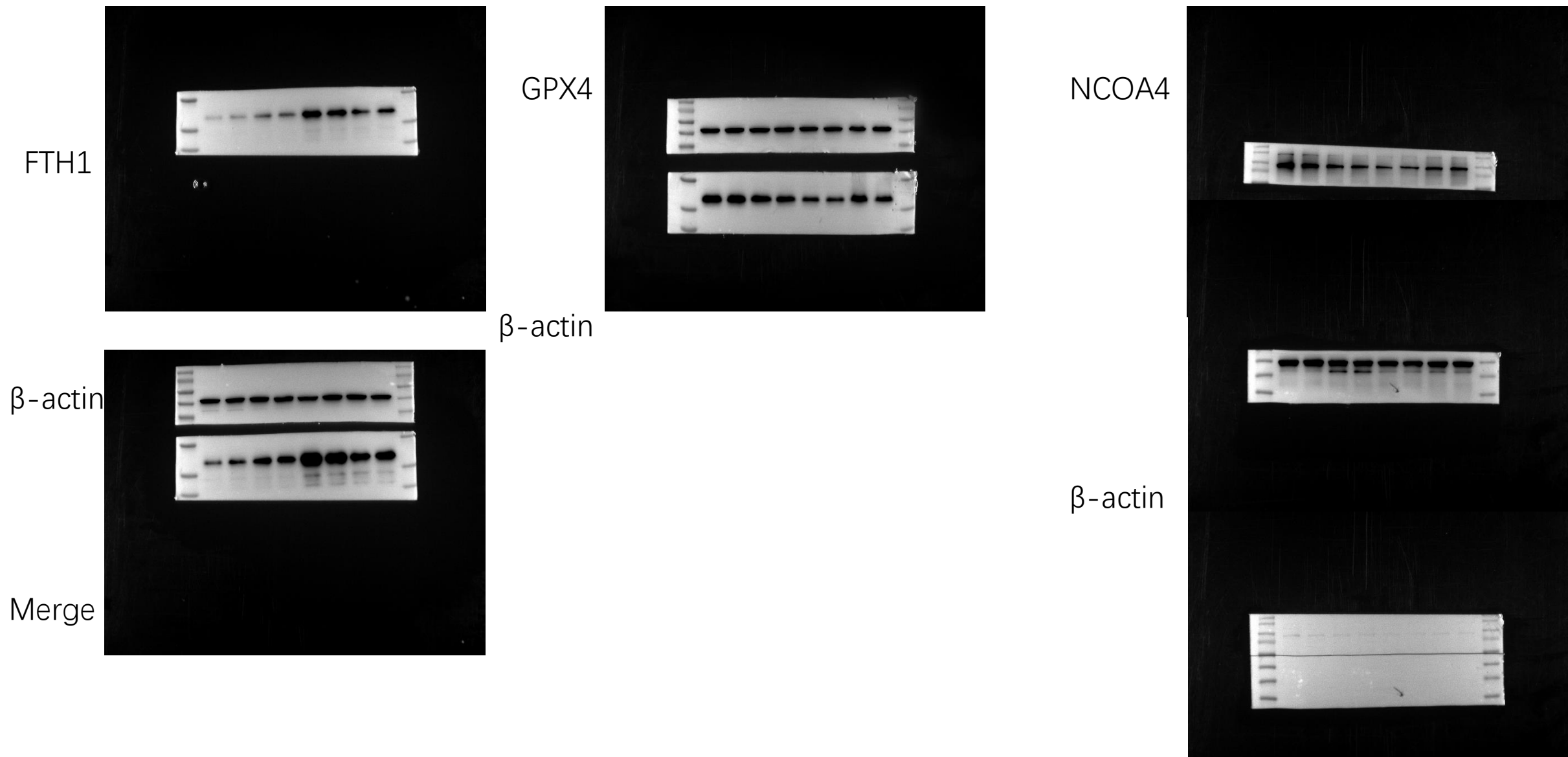
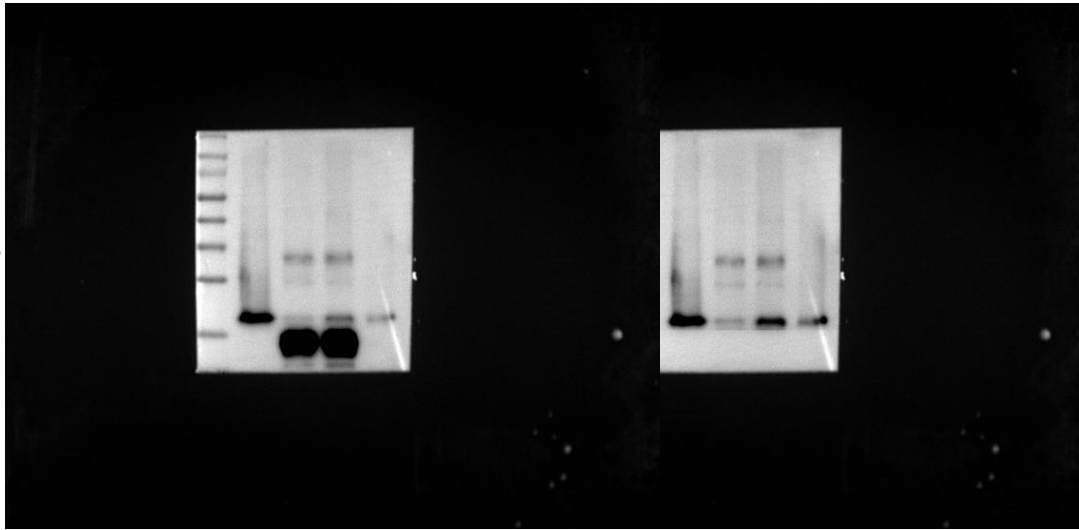


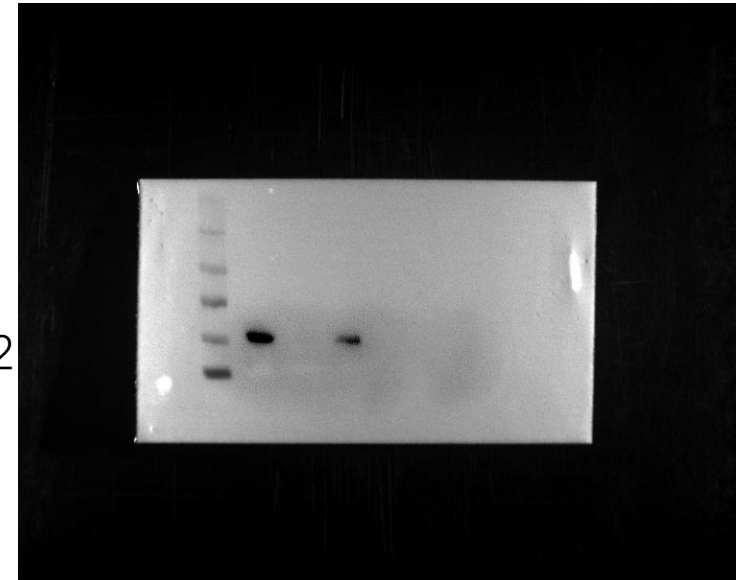
Figure 8

COIP

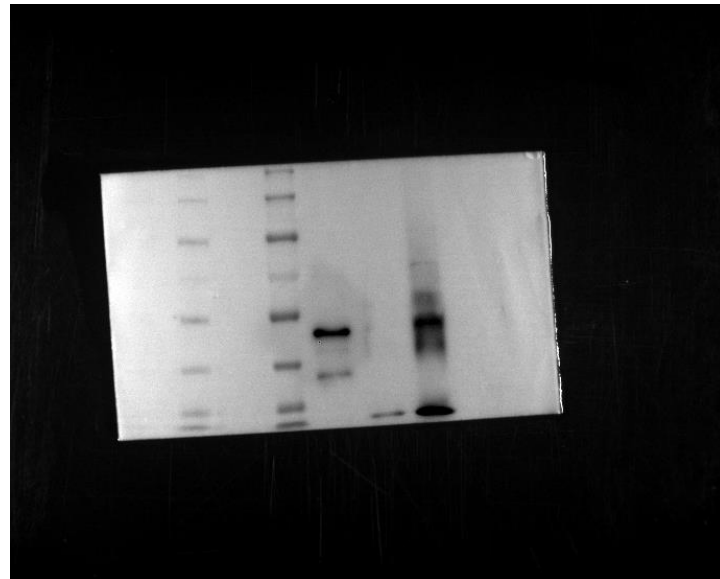
IP:FLAG-WBP2
IB:GPX4



IP: GPX4
IB:FLAG-WBP2



IP:FLAG-WBP2
IB:FLAG-WBP2



IP: GPX4
IB: GPX4

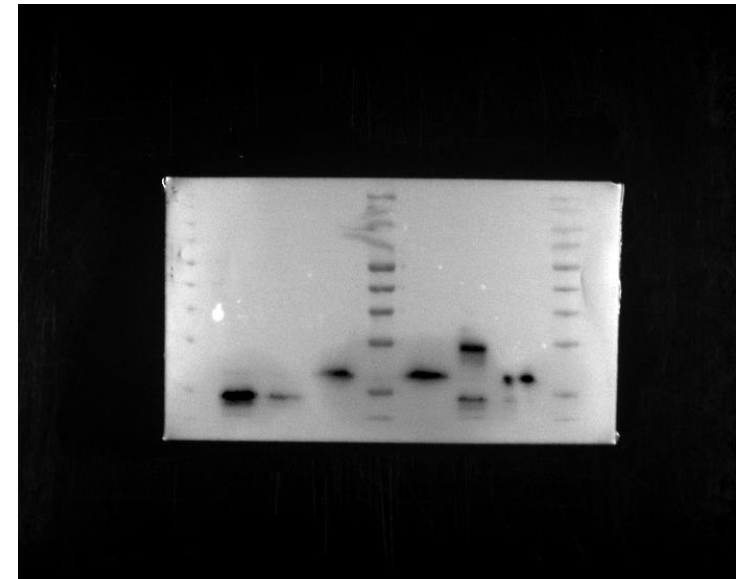
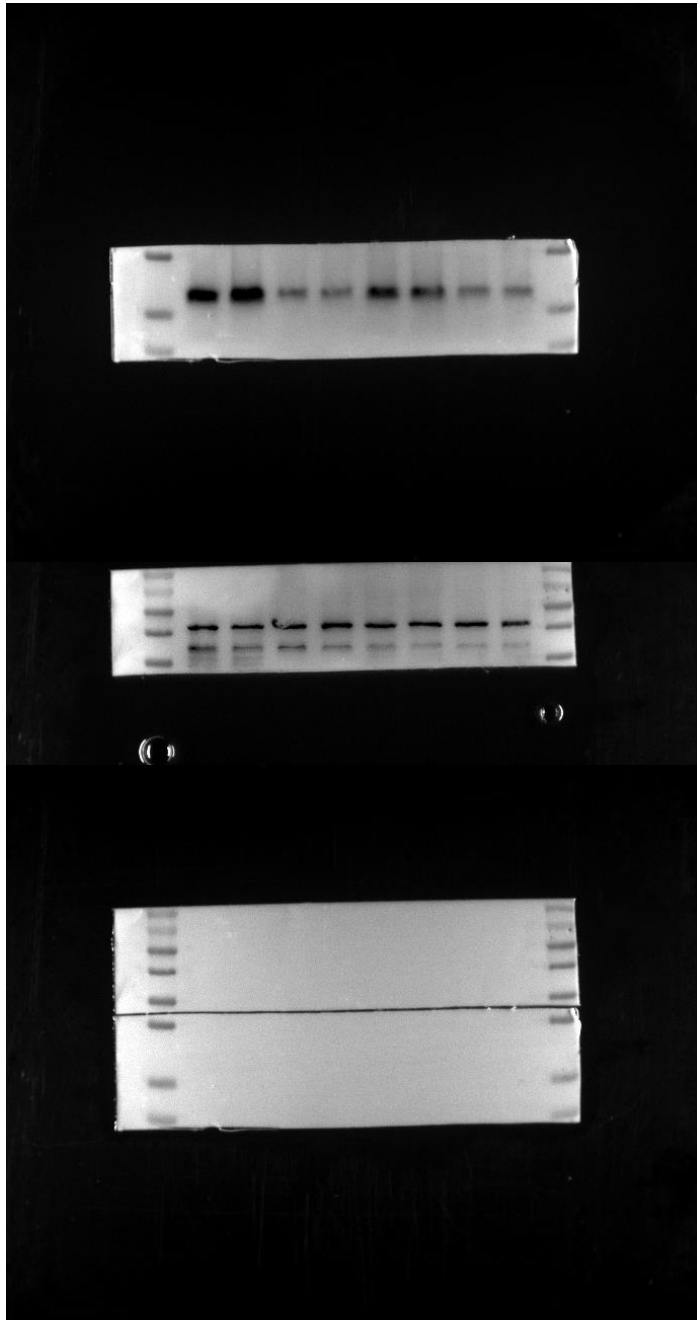


Figure 8 CELL-BUMPT

MG132
Choloroquine



MG132
NH4Cl

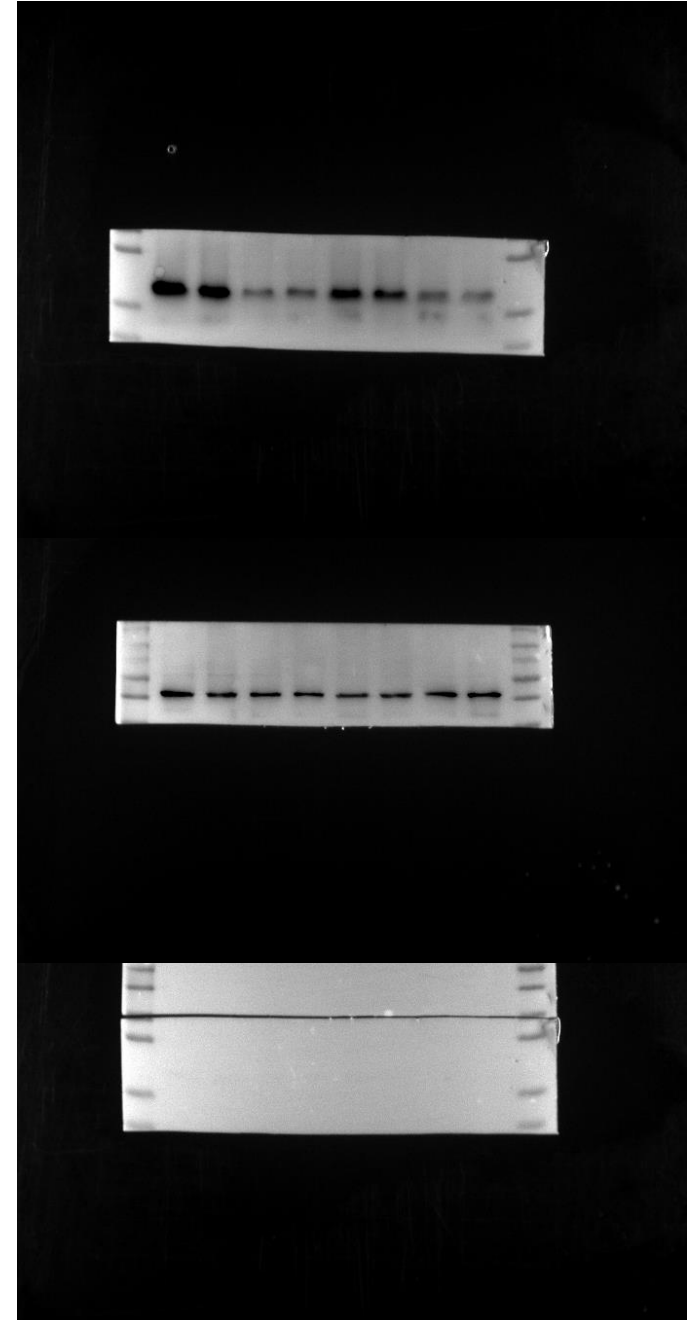
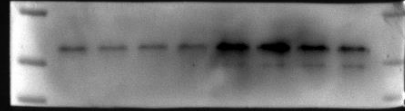


Figure 8

CELL-BUMPT

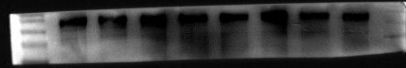
Lv-WBP2

GPX4

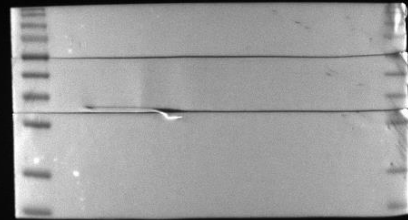


Lysosomes

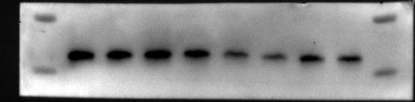
Lamp1



Merge

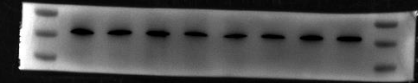


GPX4



Lysosomes-free
cell lysate

β -actin



Merge

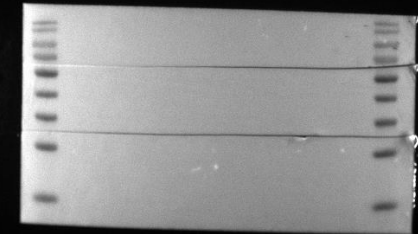
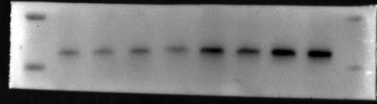


Figure 8

CELL-BUMPT

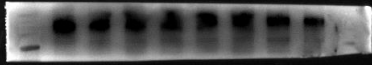
Lv-shWBP2

GPX4

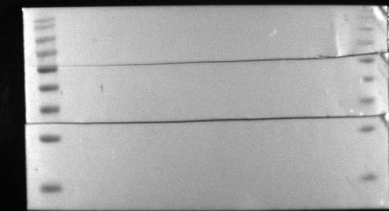


Lysosomes

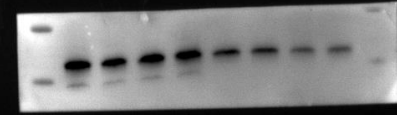
Lamp1



Merge

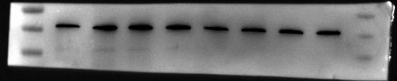


GPX4



Lysosomes-free
cell lysate

β -actin



Merge

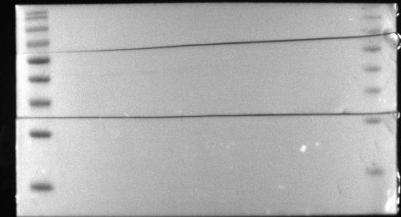
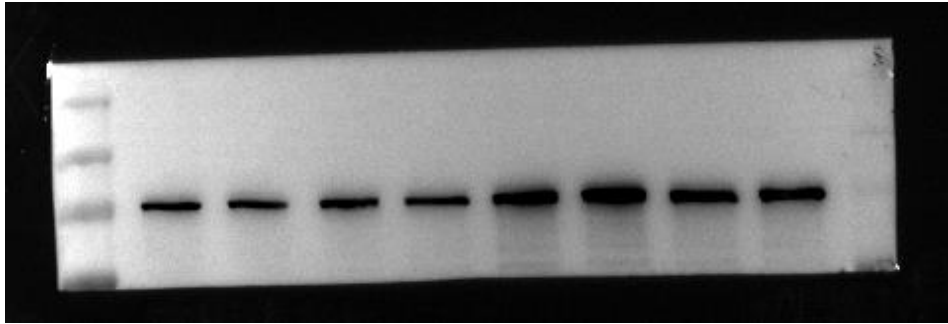


Figure 8

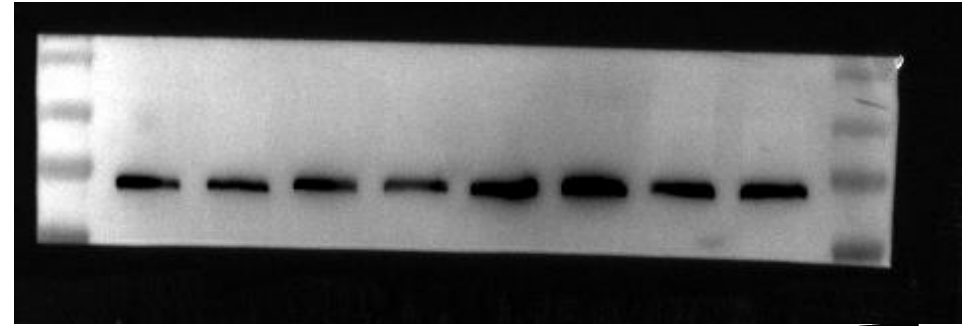
CELL-BUMPT

Lv-WBP2

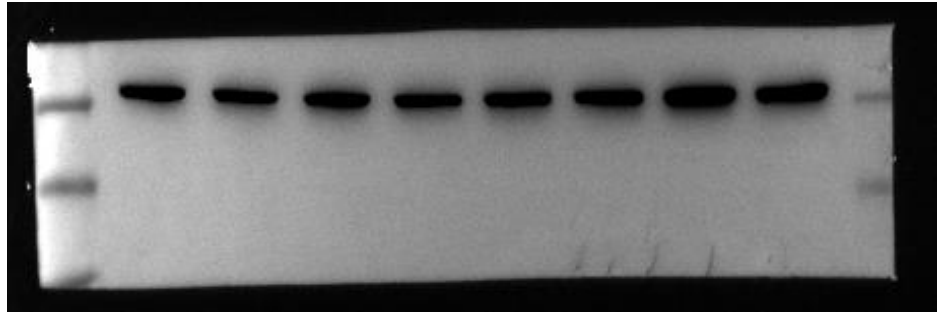
HSC70



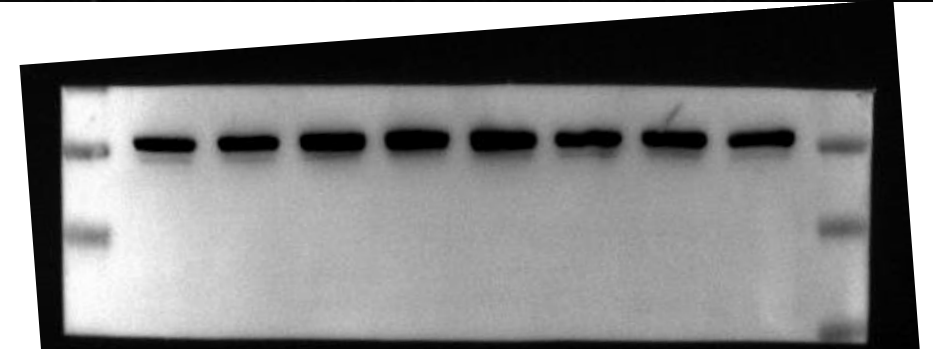
Lamp2a



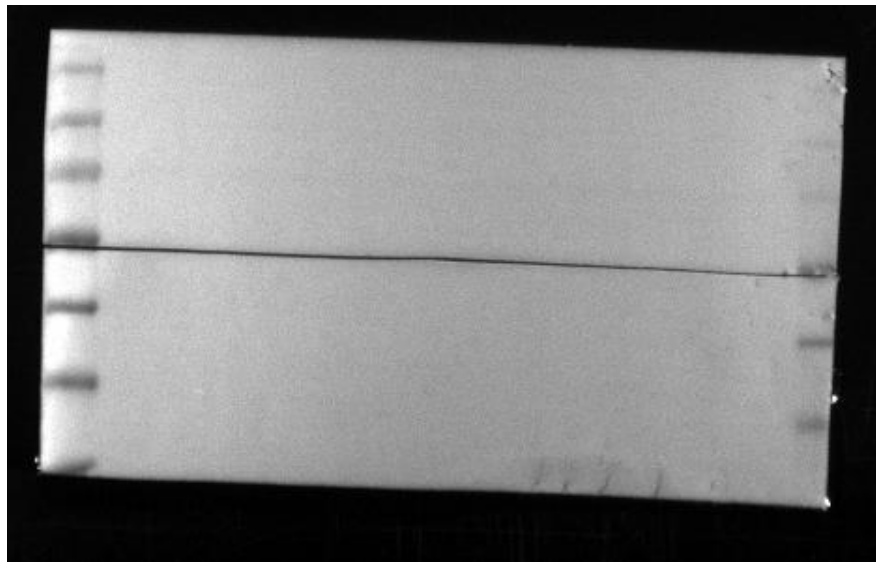
β -actin



β -actin



Merge



Merge

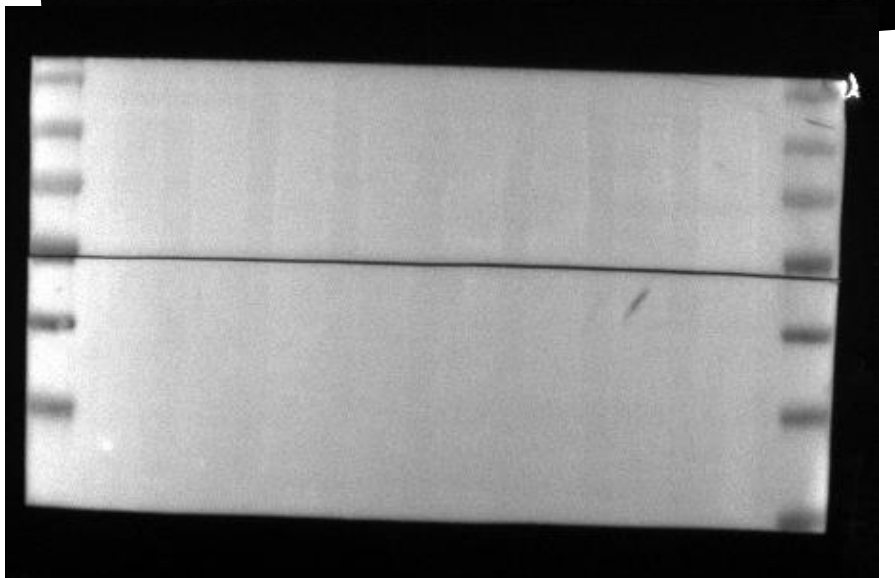
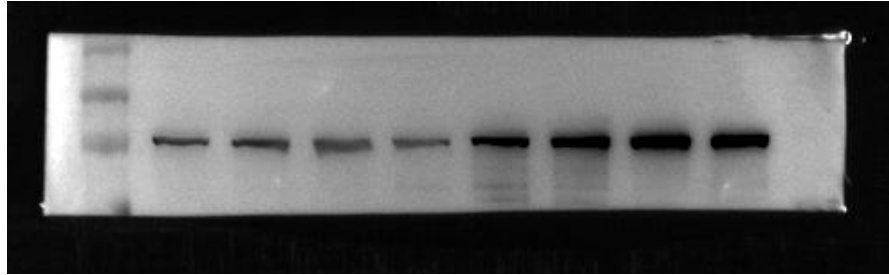


Figure 8

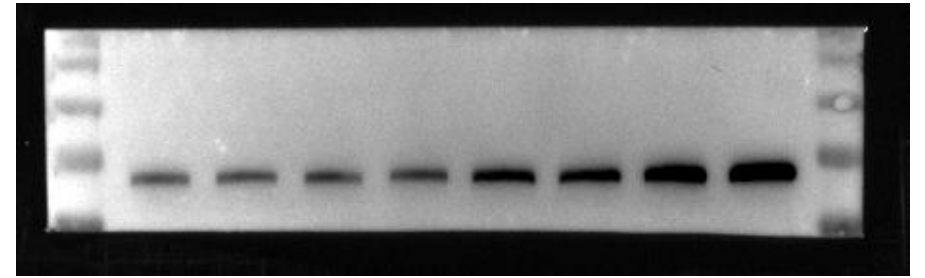
CELL-BUMPT

Lv-shWBP2

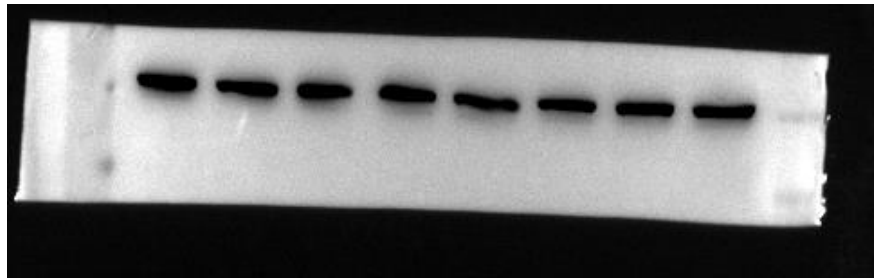
HSC70



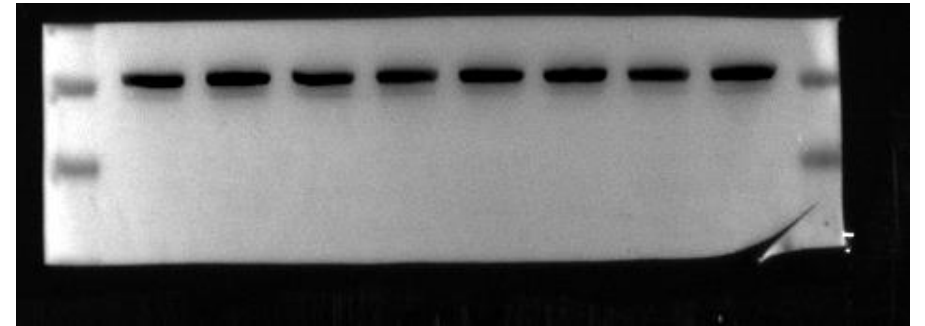
Lamp2a



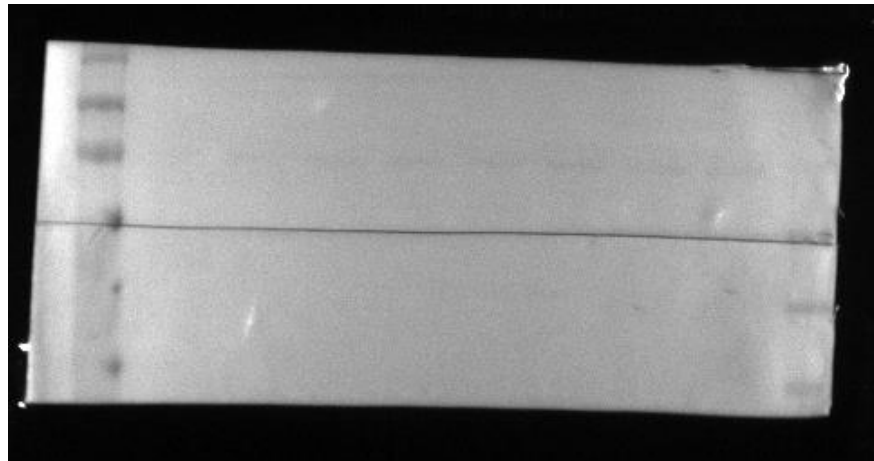
β -actin



β -actin



Merge



Merge

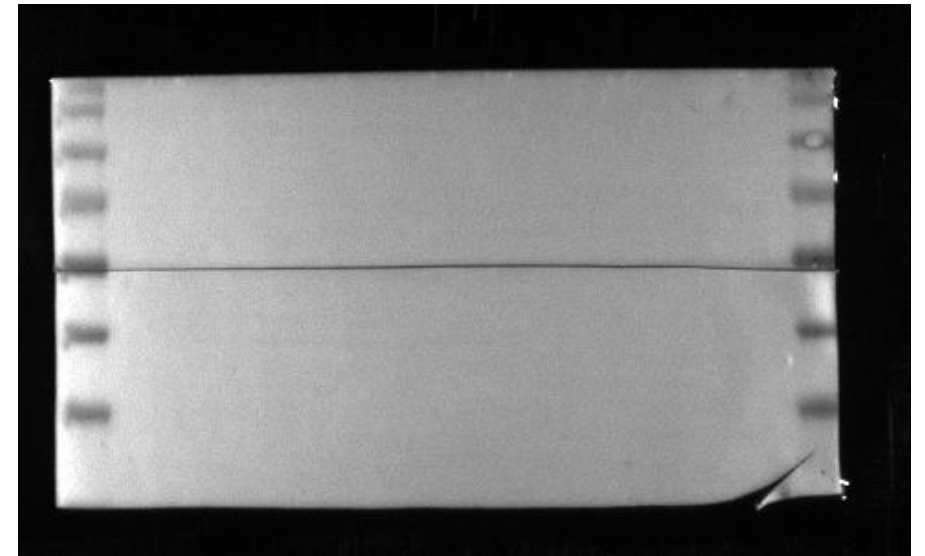


Figure 8

EV-CTD- Δ PPXY1+2+3- Δ PPXY1- Δ PPXY2- Δ PPXY3

EV-GPX4(FLAG)- Δ CTD- Δ NTD

EV-WBP2(FLAG)-NTD-CTD

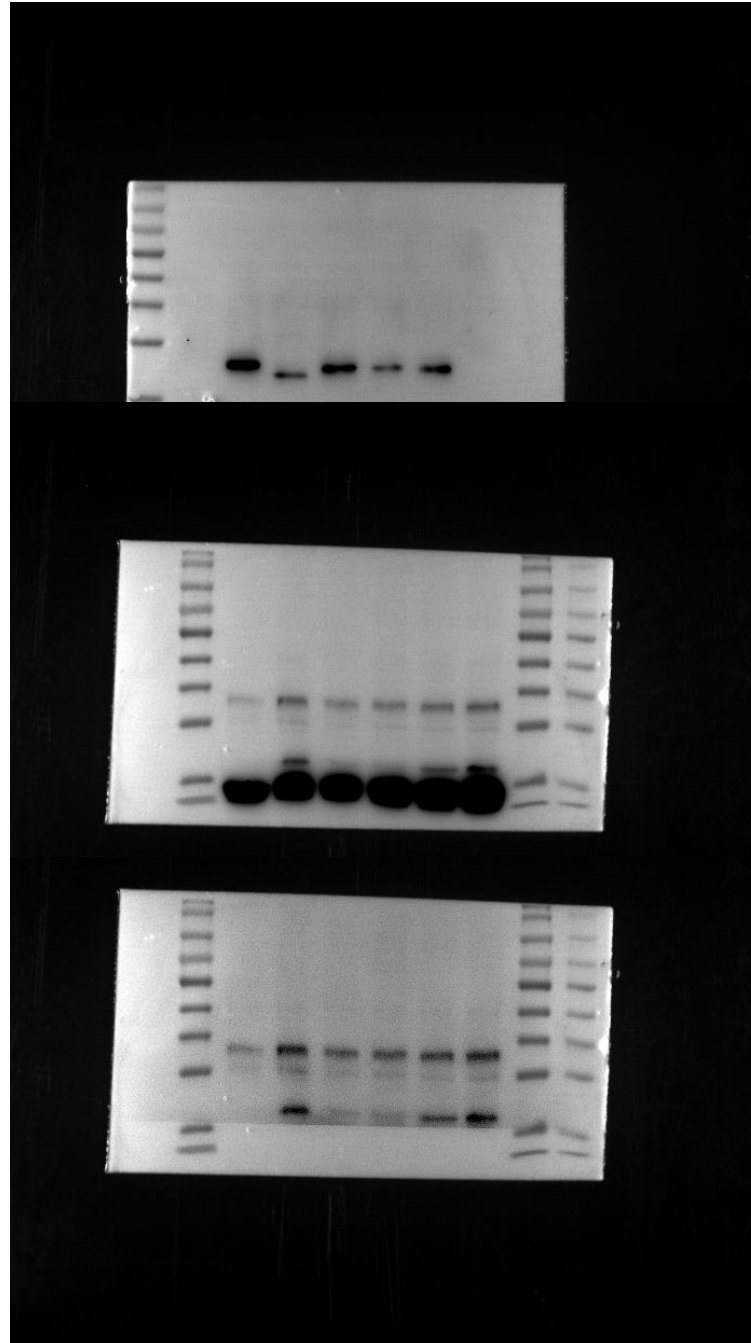
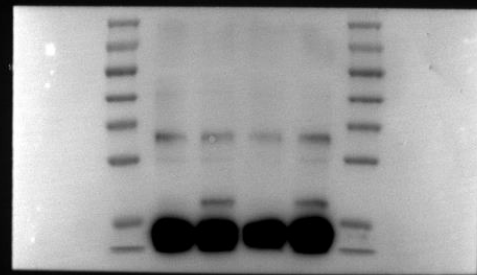
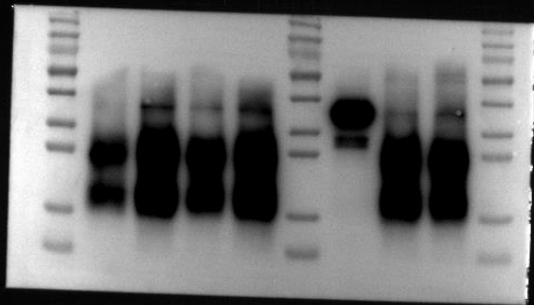
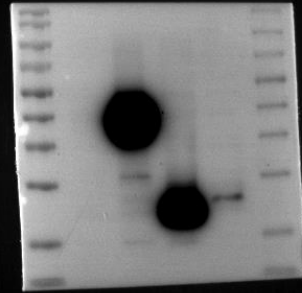
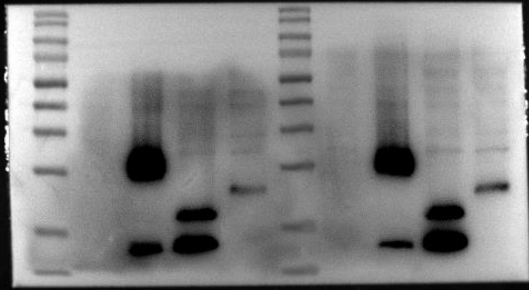
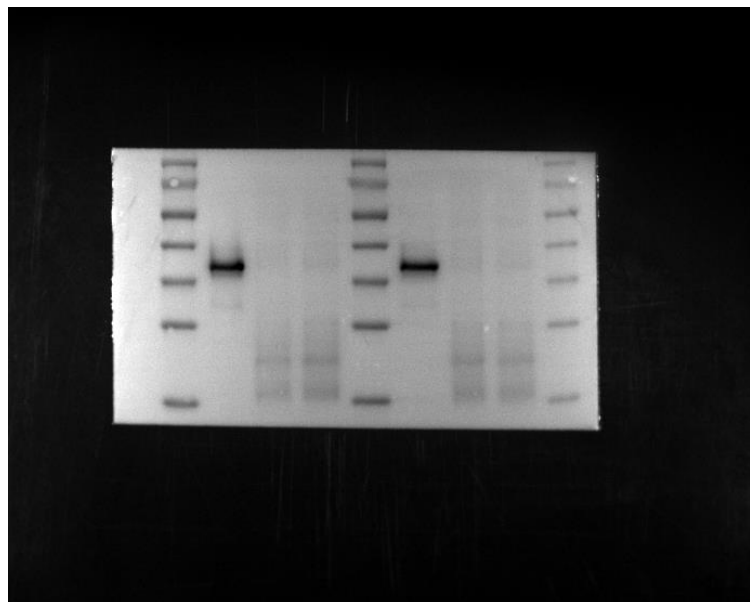


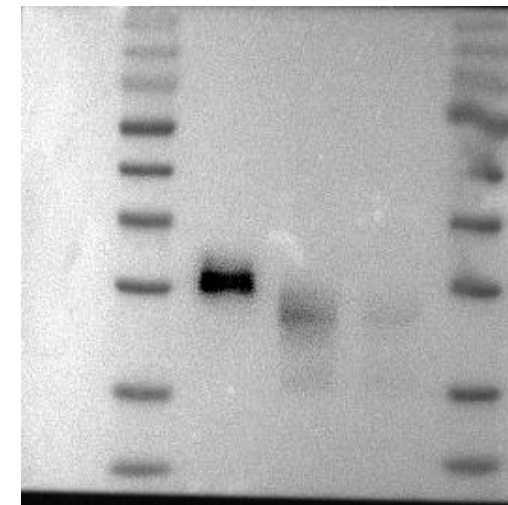
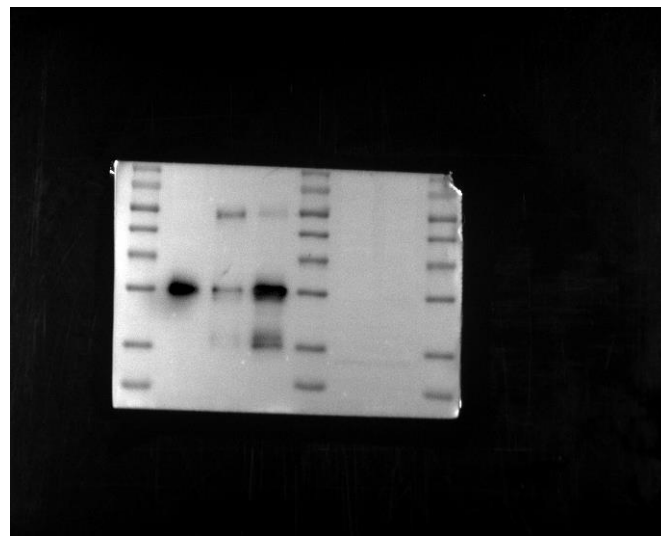
Figure 8

FLAG-124AAKFD128-187AAIEK191 MYC-WBP2

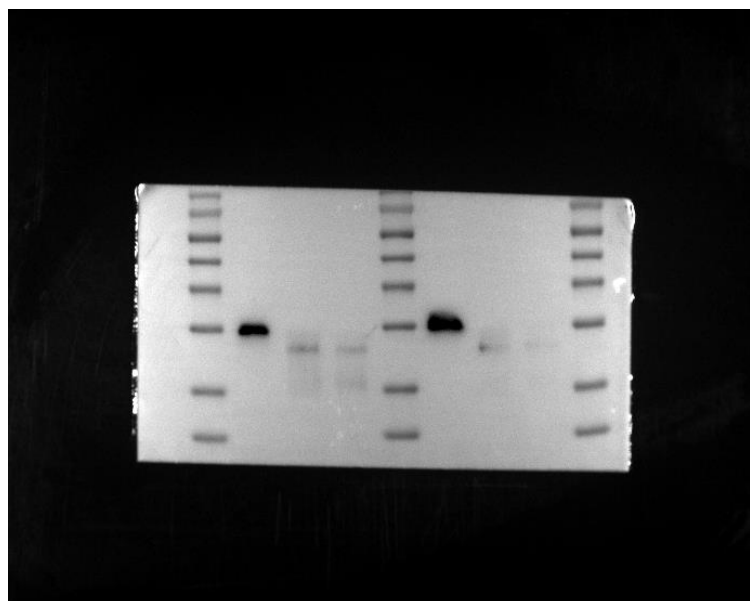


FLAG-124AAKFD128+187AAIEK191 MYC-WBP2

FLAG-124AAKFD128 FLAG-124AAKFD128



MYC-WBP2 FLAG-124AAKFD128-187AAIEK191



MYC-WBP2 FLAG-124AAKFD128+187AAIEK191

MYC-WBP2 MYC-WBP2

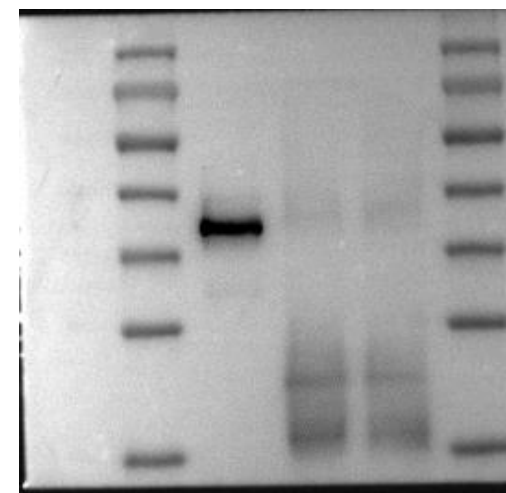
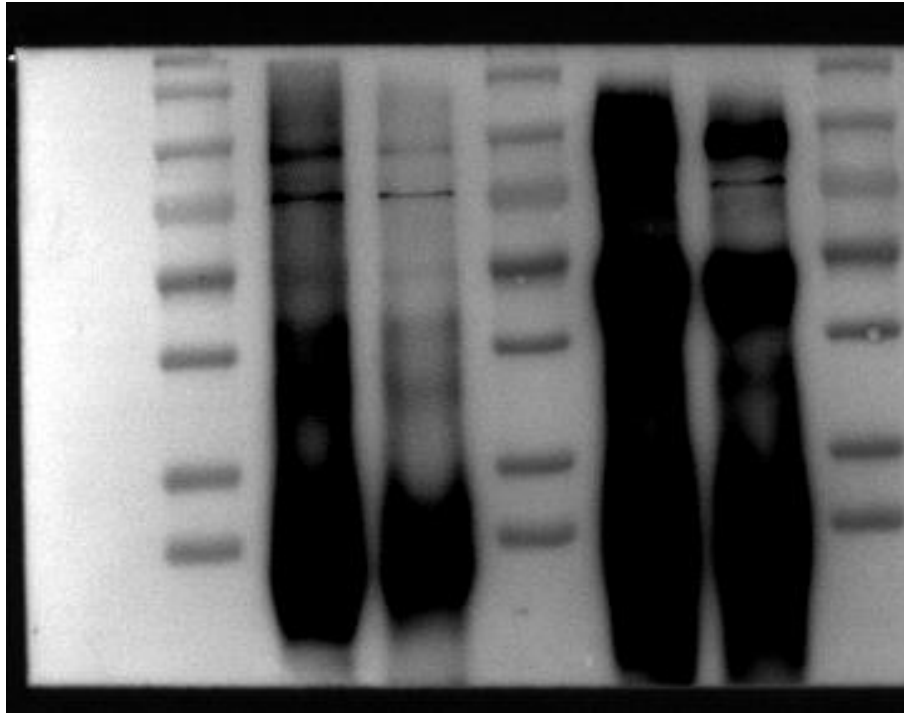
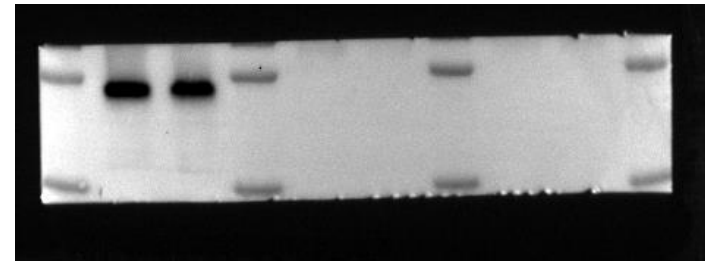


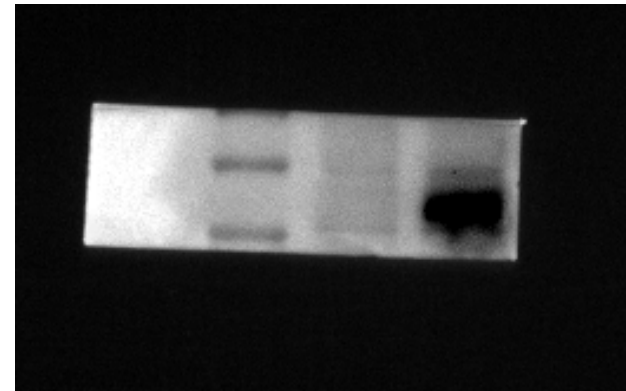
Figure 8



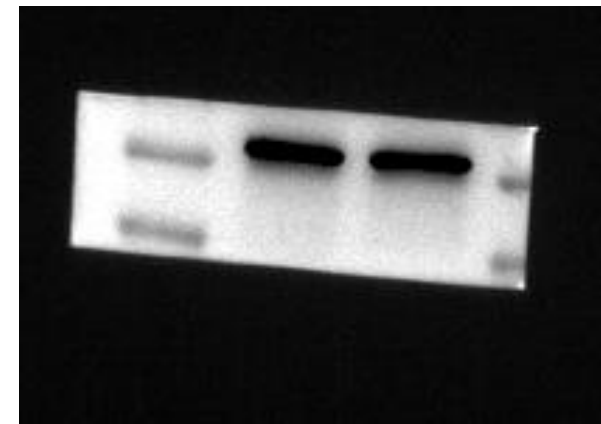
IP:FLAG-GPX4
IB:HSC70



GPX4-FLAG



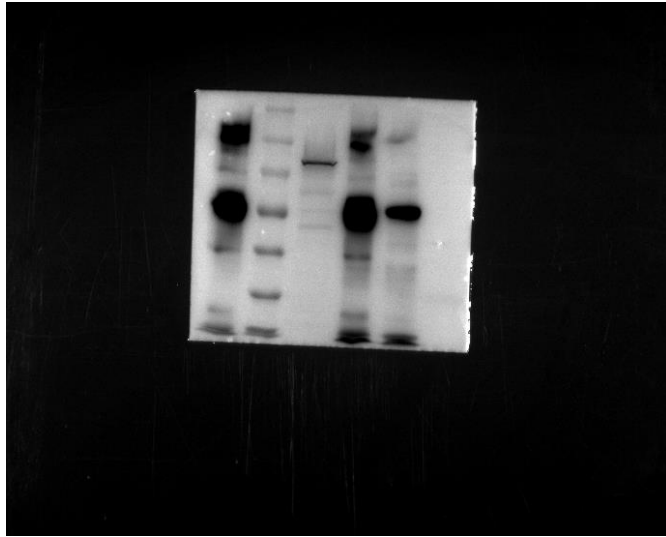
WBP2-MYC



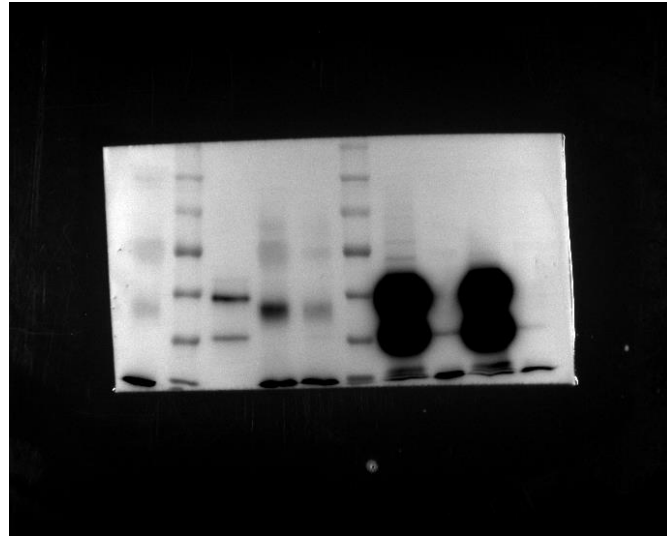
β -actin

Supplemental

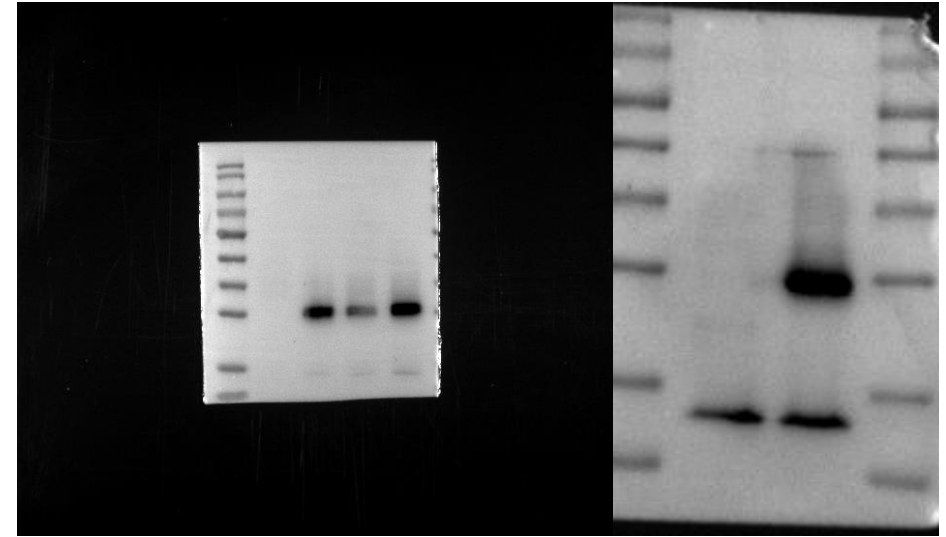
IP: FLAG-WBP2 IB: HA-HSC70



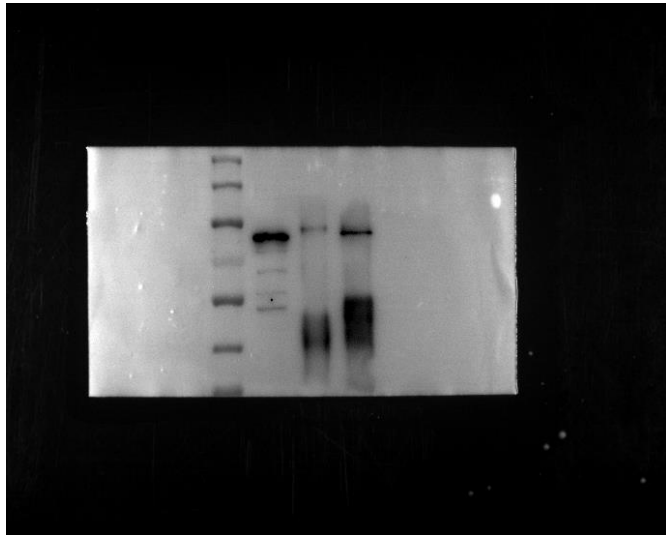
IP: HA-HSC70 IB: FLAG-WBP2



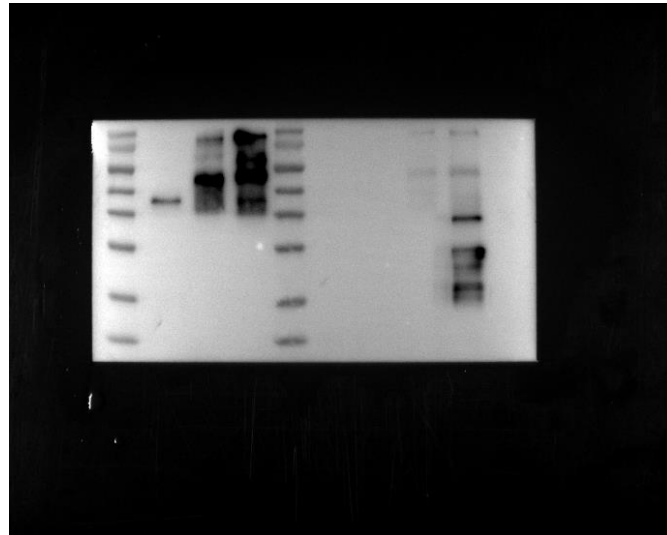
FLAG-GPX4



IP: HA-HSC70 IB: HA-HSC70



IP: FLAG-WBP2 IB: FLAG-WBP2



FLAG

GPX4