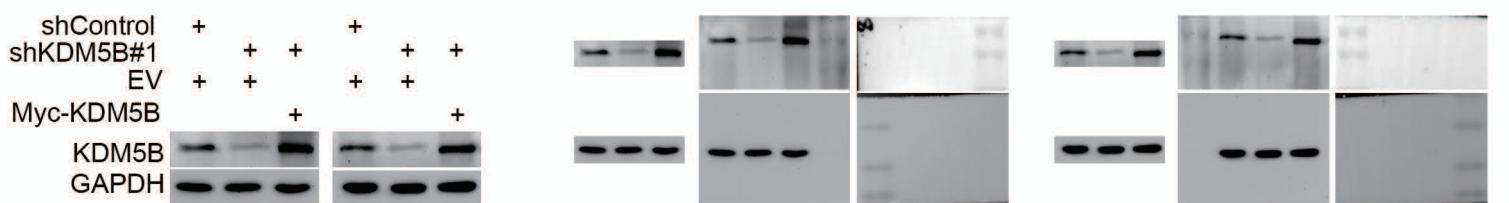
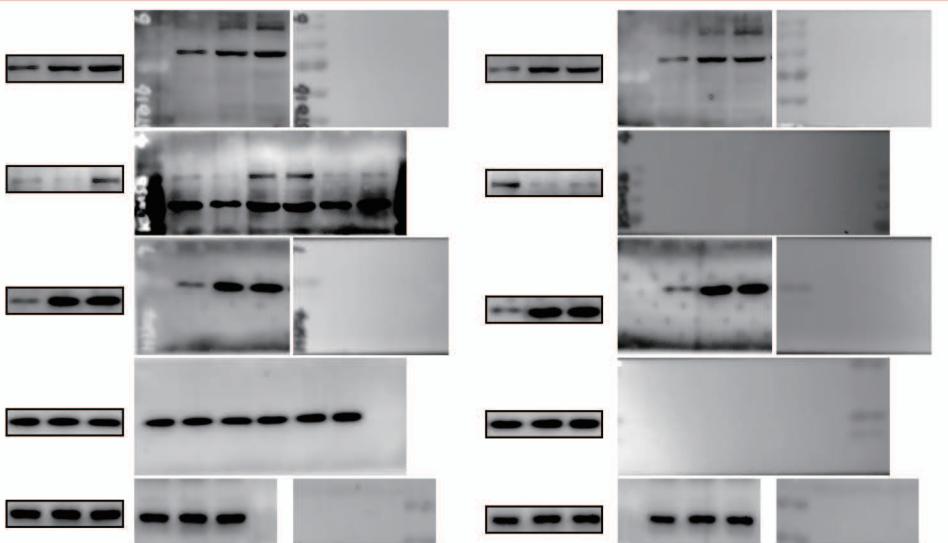


**Figure 1 e****Figure 2 g**

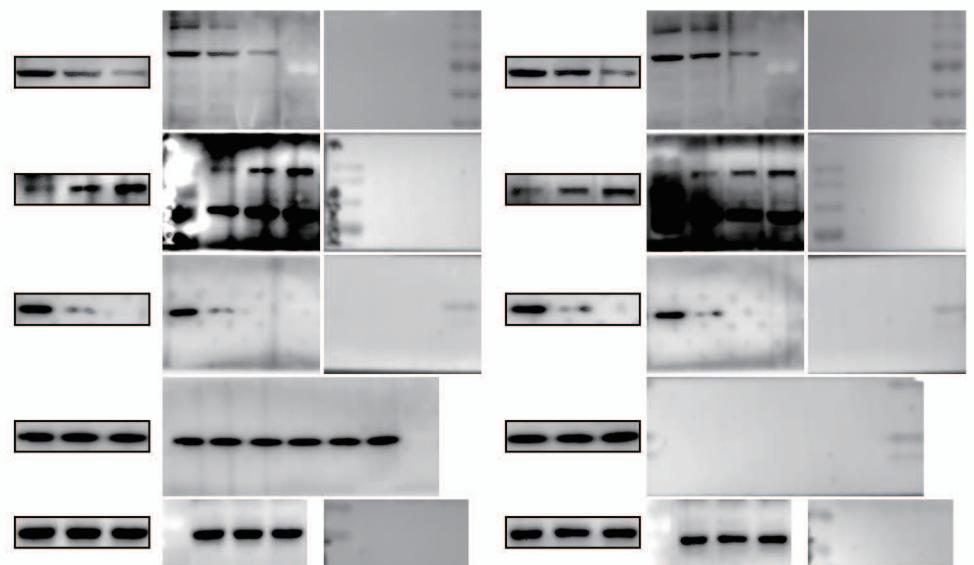
shControl	+	+	+
shKDM5B#1		+	+
shKDM5B#2		+	+
ZBTB16			
KDM5B			
H3K4me3			
H3 histone			
GAPDH			

HNE1      CNE2

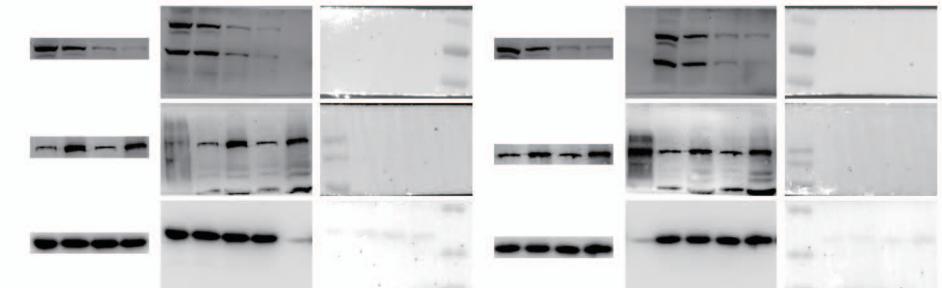
**Figure 2 h**

EV	+	+	+
Myc-KDM5B			
ZBTB16			
KDM5B			
H3K4me3			
H3 histone			
GAPDH			

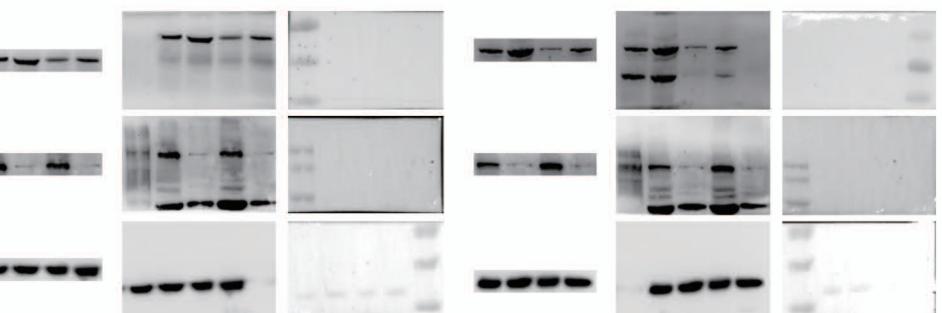
HNE1      CNE2

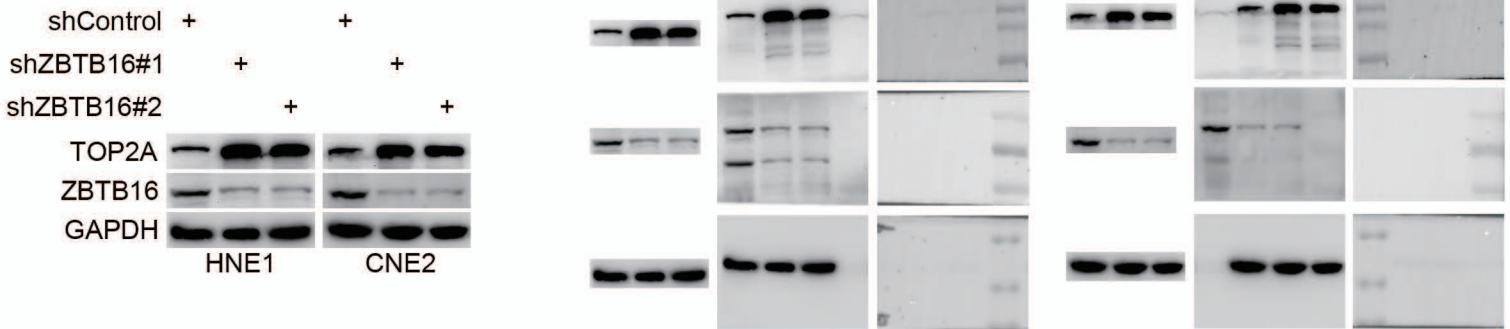
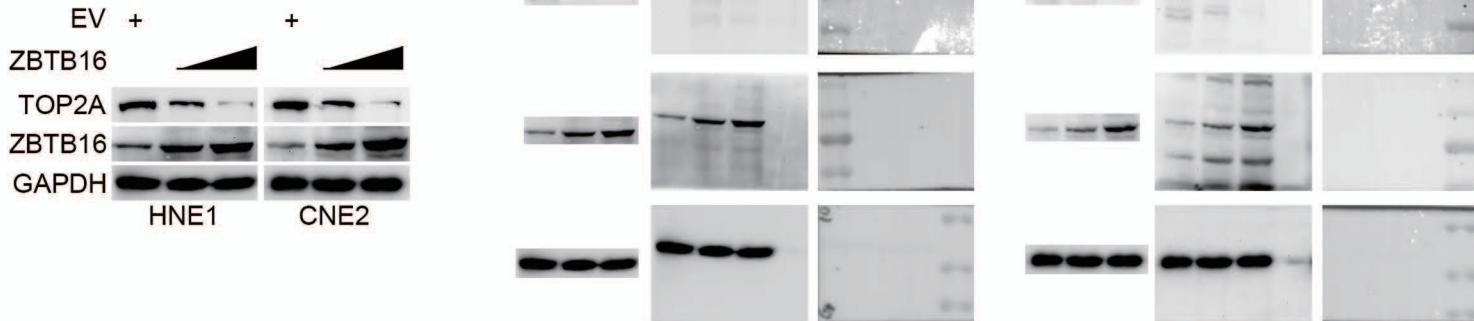
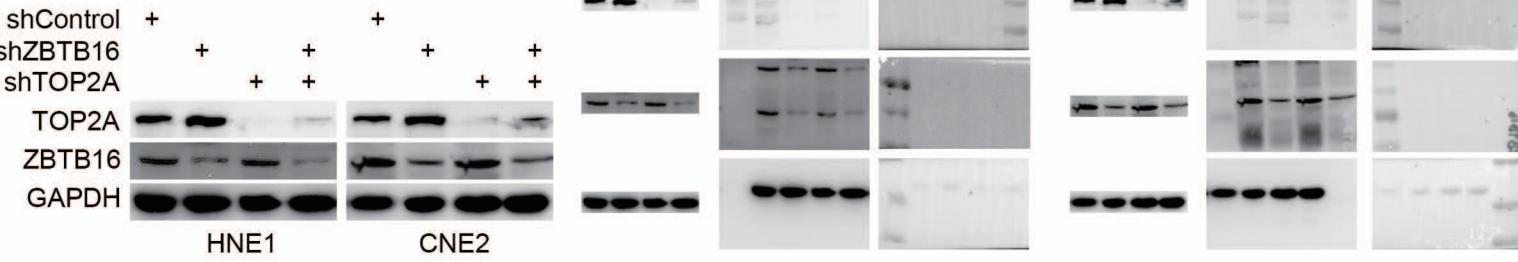
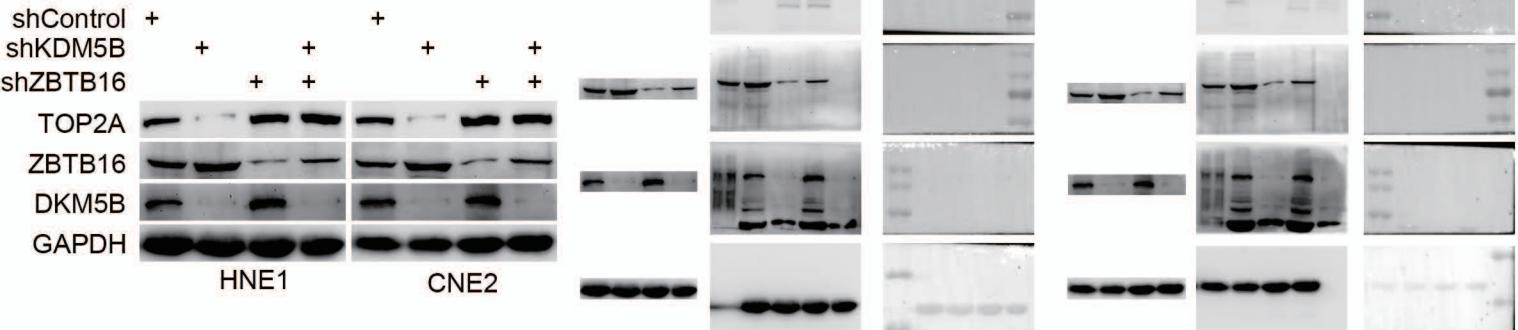
**Figure 3 a**

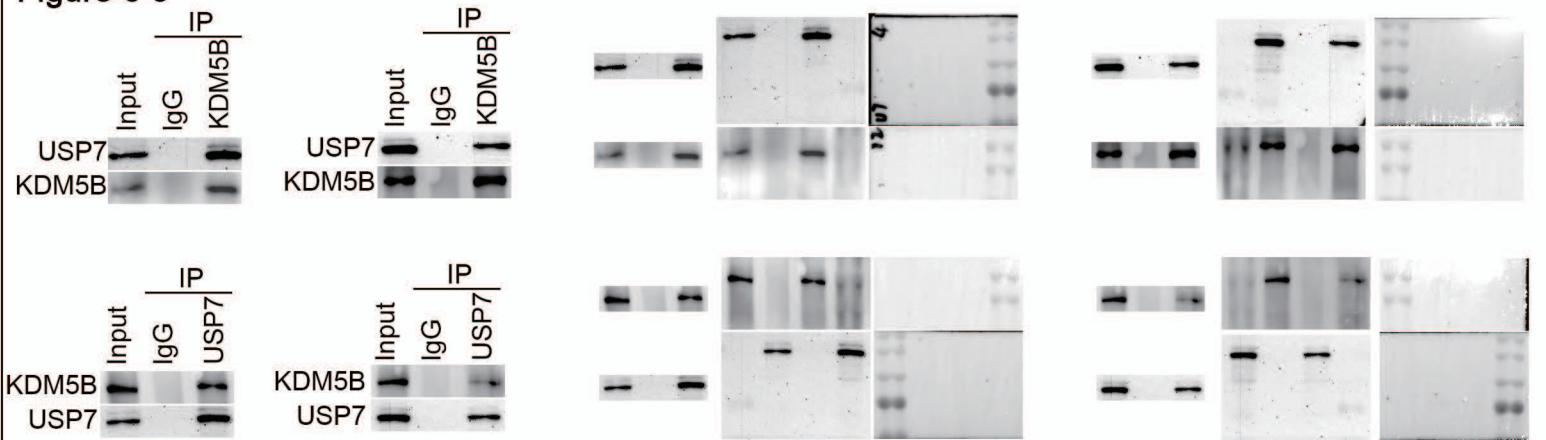
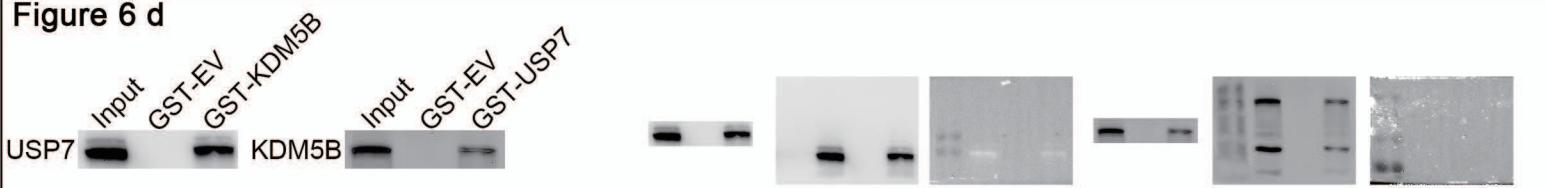
shControl	+	+	+	+	+	+
shZBTB16		+	+	+	+	+
EV	+	+	+	+	+	+
Myc-KDM5B	+	+	+	+	+	+
ZBTB16						
KDM5B						
GAPDH						

**Figure 3 c**

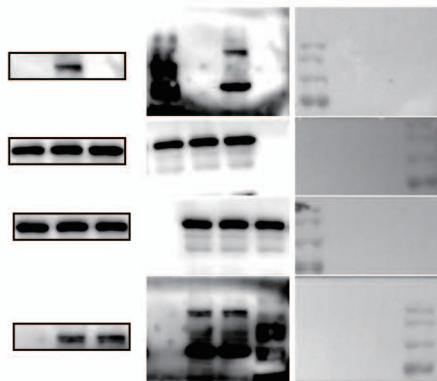
shControl	+	+	+
shKDM5B	+	+	+
shZBTB16	+	+	+
ZBTB16			
KDM5B			
GAPDH			



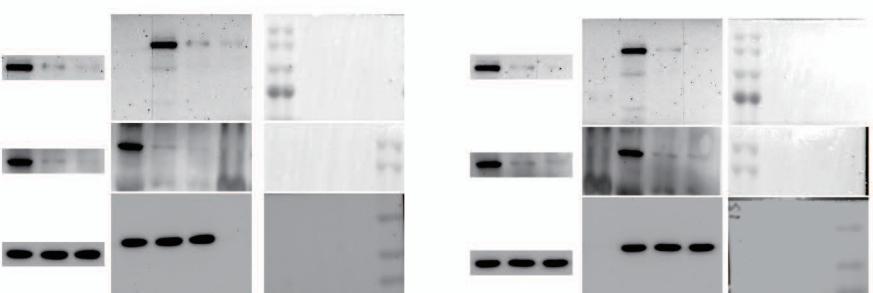
**Figure 4 g****Figure 4 h****Figure 5 a****Figure 5 g**

**Figure 6 c****Figure 6 d****Figure 6 e**

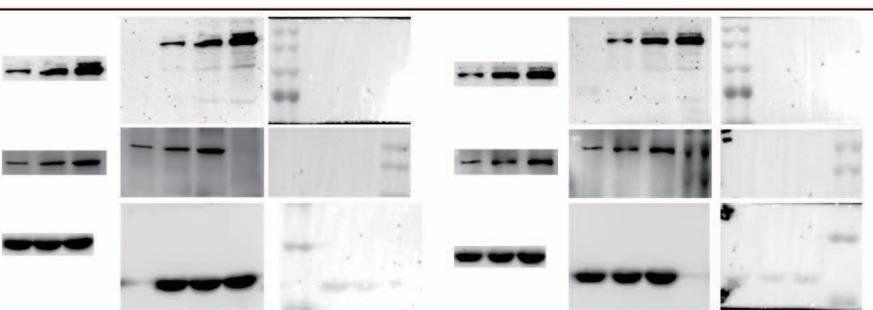
Flag-USP7	+	+	+
Myc-KDM5B WT	+		
Myc-KDM5B AA		+	
Myc			IP:Flag
Flag			
Flag			Input
Myc			

**Figure 6 f**

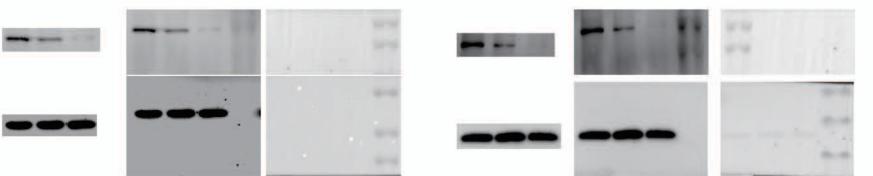
shControl	+		+	
shUSP7#1	+		+	
shUSP7#2		+		+
KDM5B				
USP7				
GAPDH				

**Figure 6 g**

EV	+		+	
Flag-USP7	+	++		++
KDM5B				
USP7				
GAPDH				

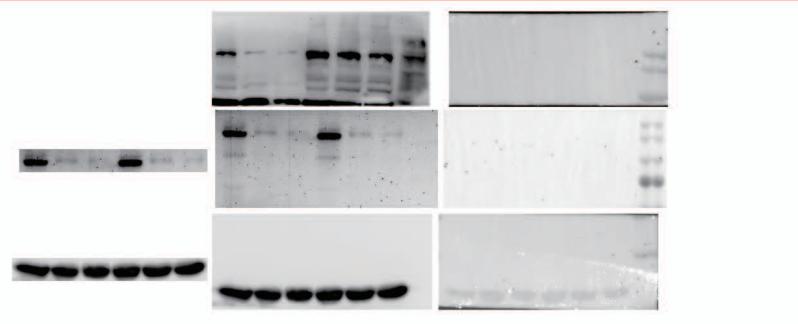
**Figure 6 h**

DMSO	+		+	
P5091	+	++		++
KDM5B				
GAPDH				

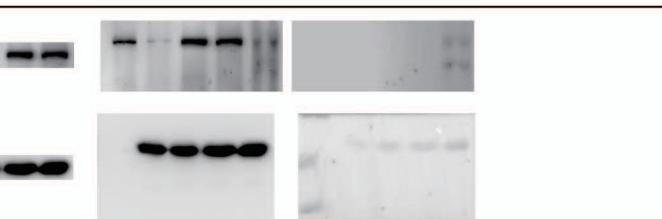


**Figure 6 i**

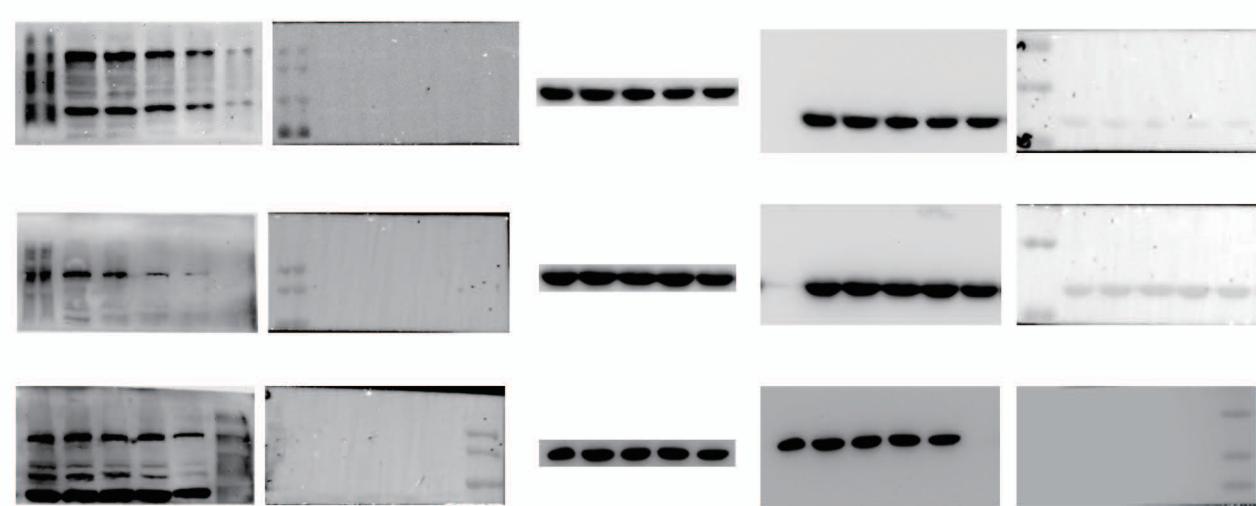
shControl	+	+	+	+
shUSP7#1		+		+
shUSP7#2		+		+
MG132		+	+	+
KDM5B				
USP7				
GAPDH				

**Figure 6 j**

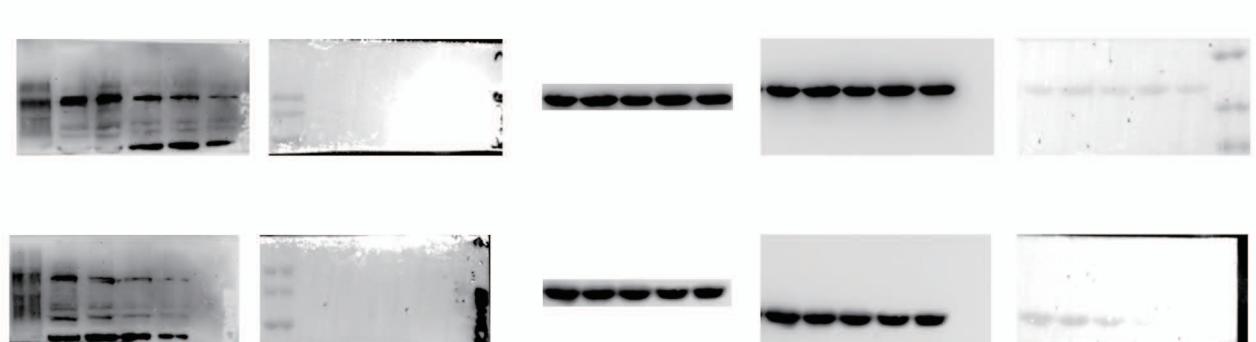
DMSO	+	+
P5091		+
MG132		+
KDM5B		
GAPDH		

**Figure 6 k**

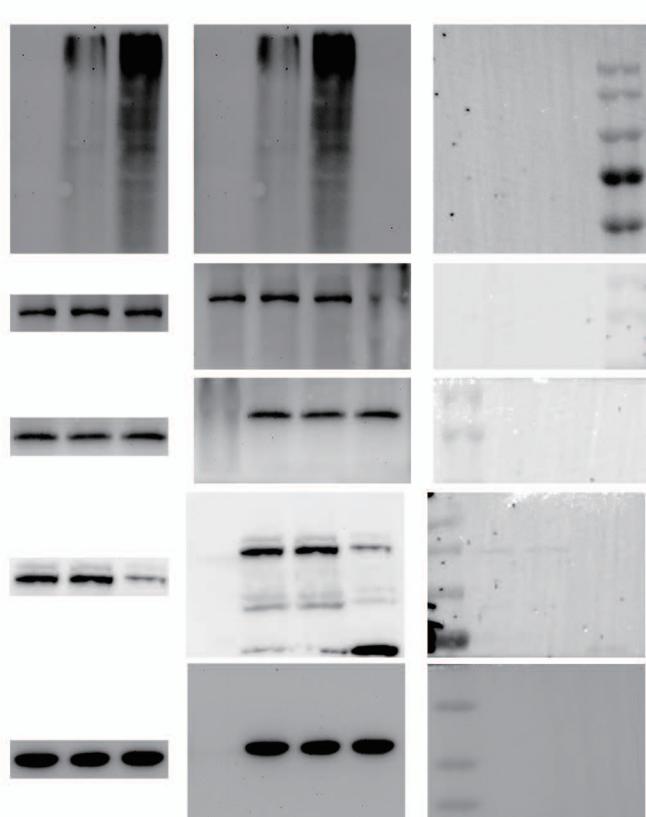
CHX	shControl	shUSP7+EV	shControl +Flag-USP7
Time(h)	0 2 4 8 16	0 2 4 8 16	0 2 4 8 16
KDM5B			
GAPDH			

**Figure 6 l**

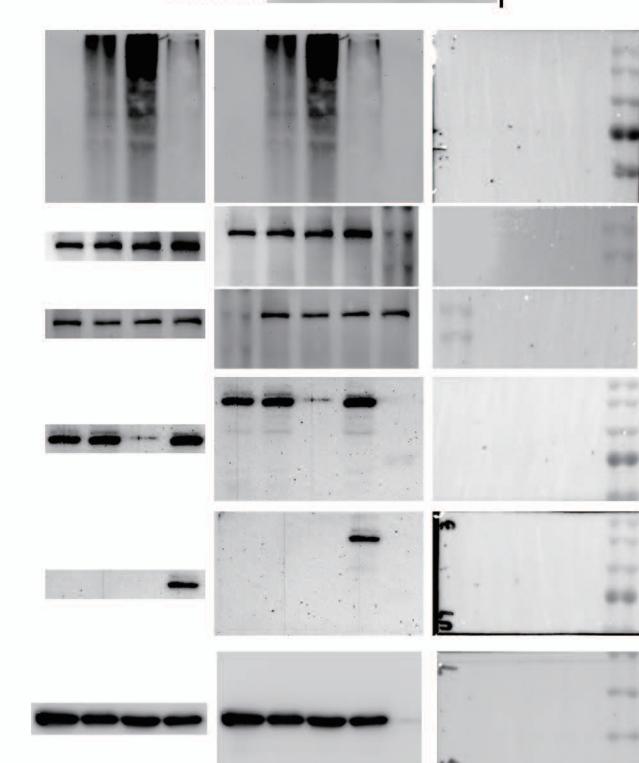
CHX	DMSO	P5091	
Time(h)	0 2 4 8 16	0 2 4 8 16	
KDM5B			
GAPDH			

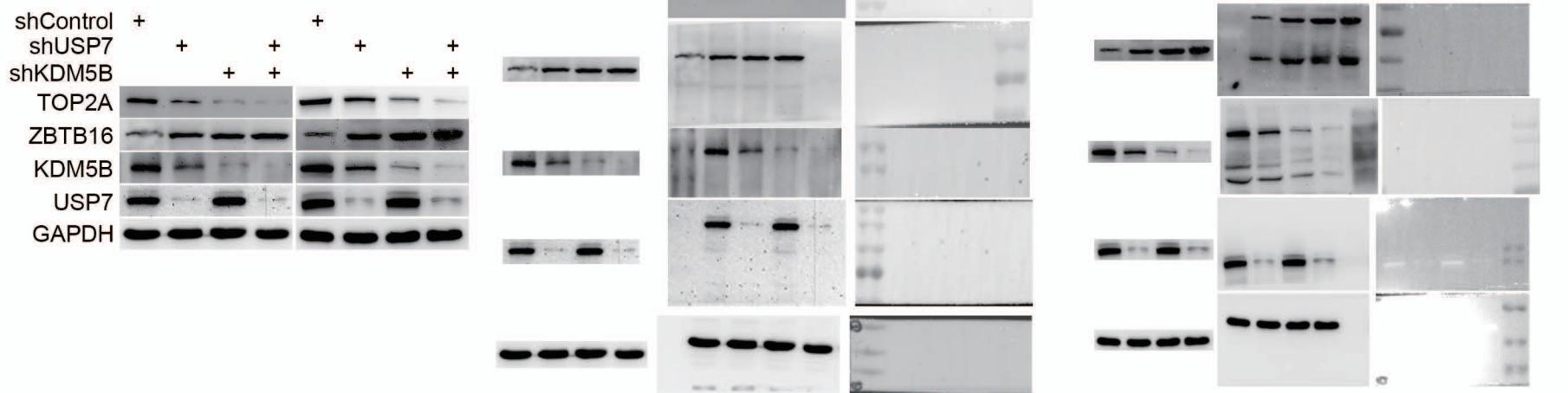
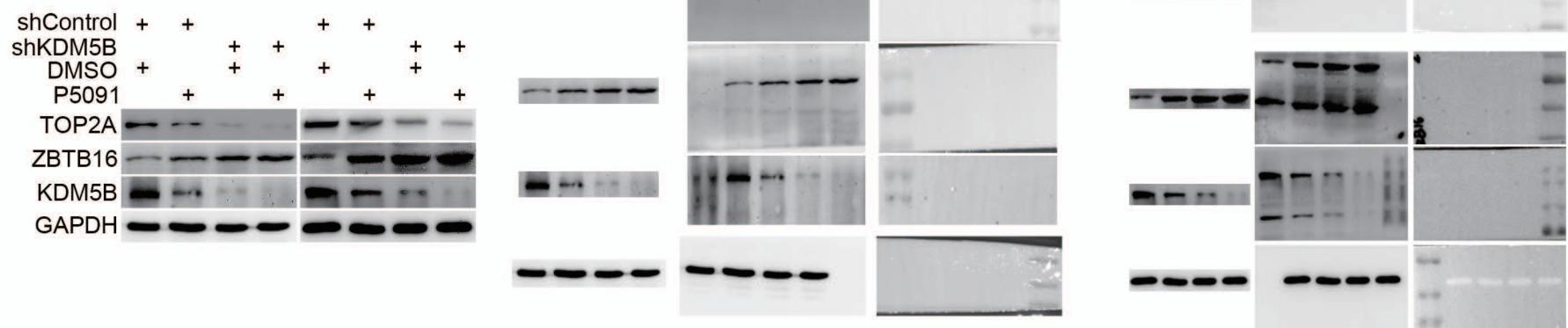
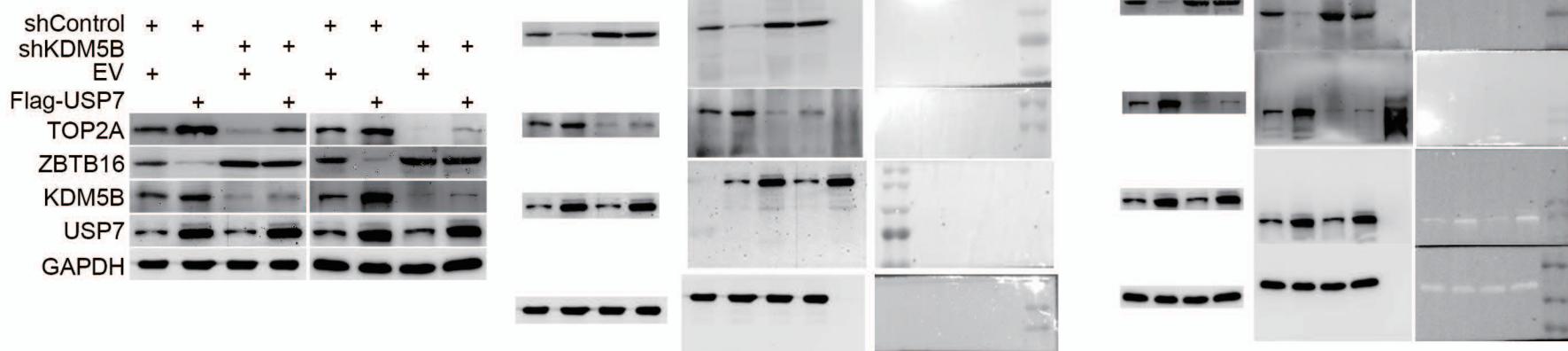
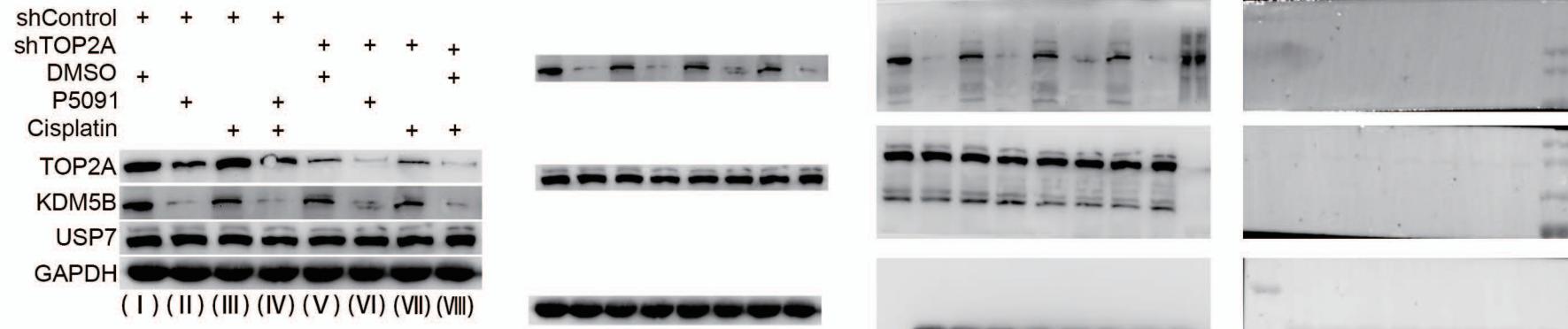
**Figure 6 n**

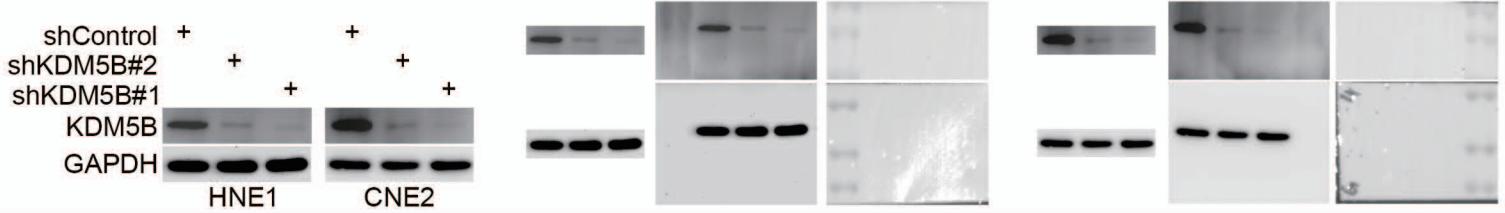
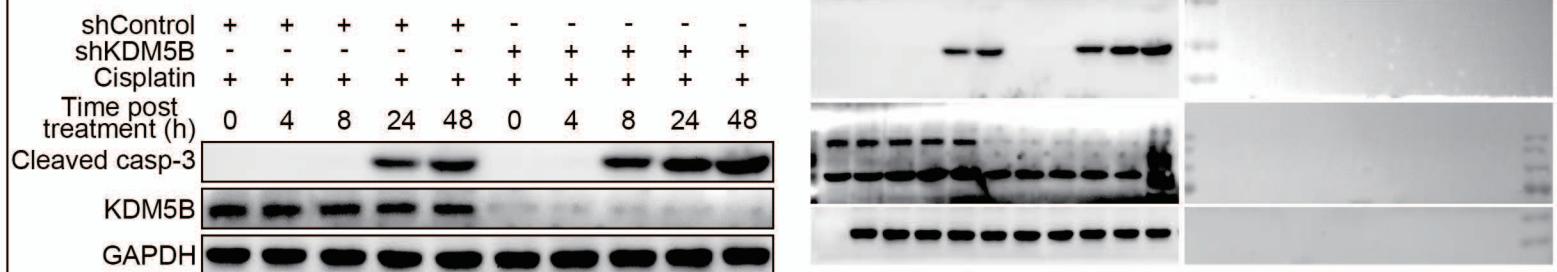
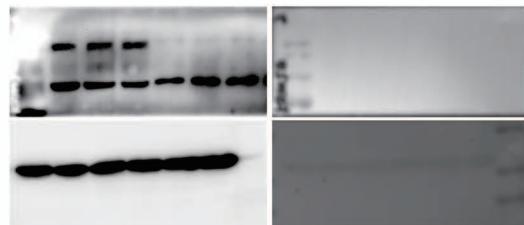
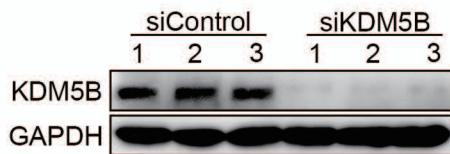
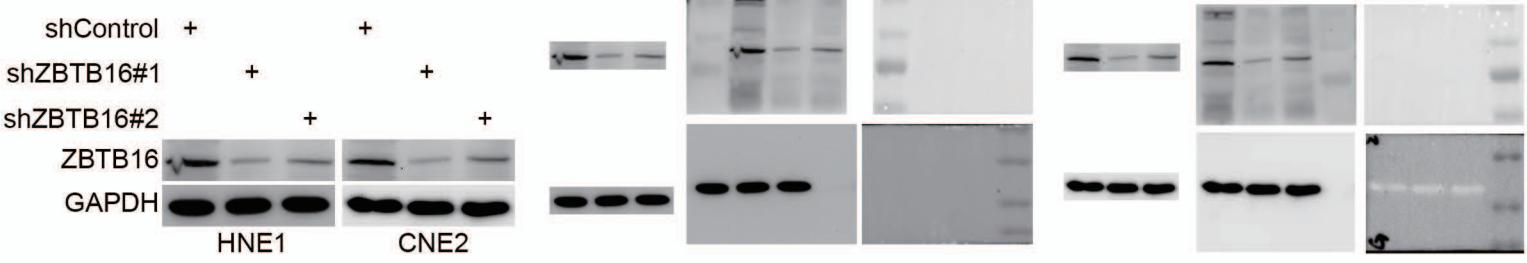
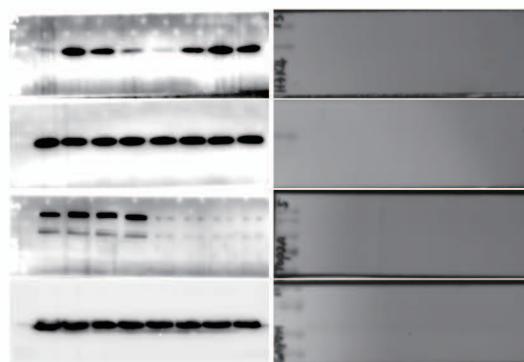
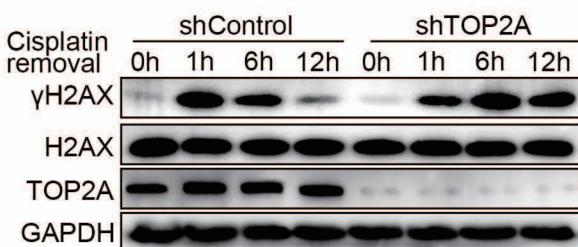
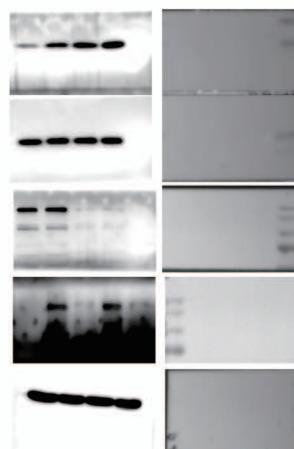
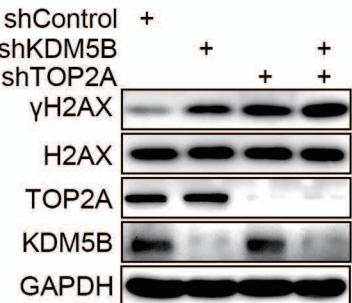
shControl	+	+	+
shUSP7			+
HA-Ub		+	+
MG132		+	+
IB:HA			
IP:KDM5B			IP
KDM5B			
KDM5B			
USP7			Input
GAPDH			

**Figure 6 o**

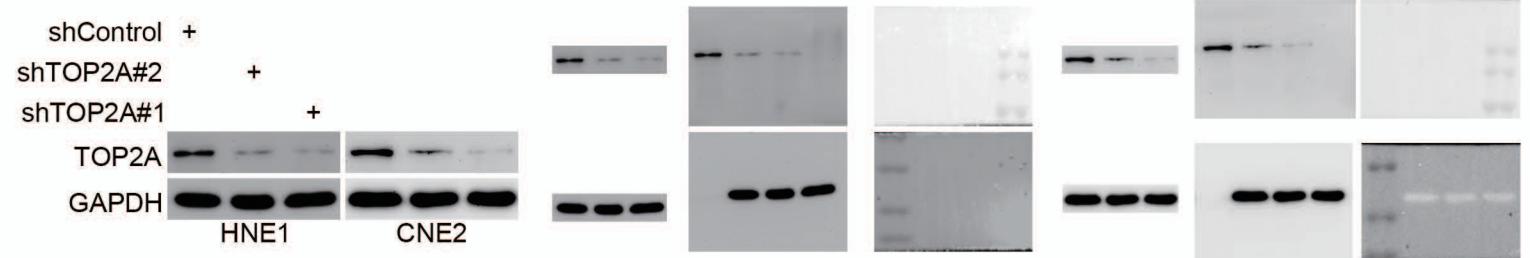
shControl	+	+	+	+
shUSP7			+	+
EV	+	+	+	
Flag-USP7				+
HA-Ub		+	+	+
MG132	+	+	+	+
IB:HA				
IP:KDM5B				IP
KDM5B				
KDM5B				
USP7				
Flag				Input
GAPDH				



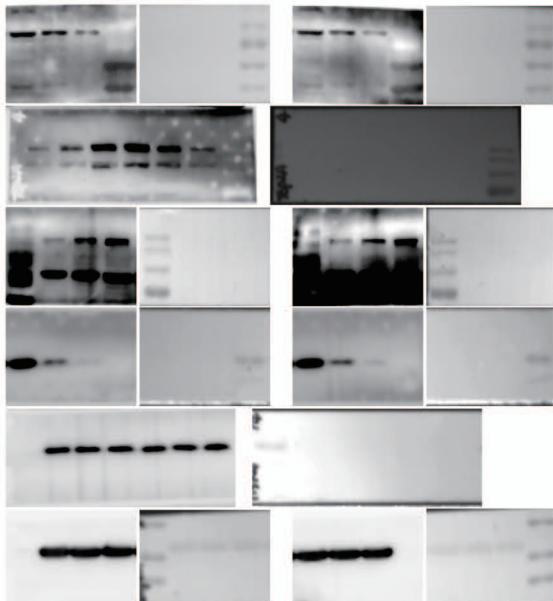
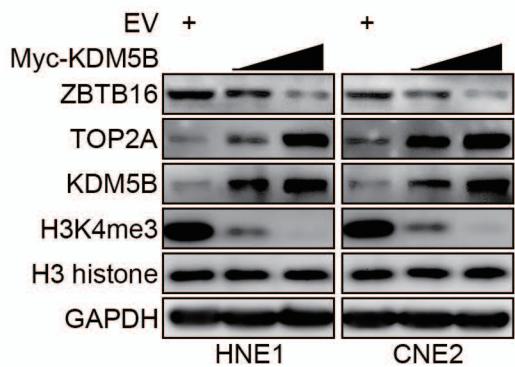
**Figure 7 a****Figure 7 b****Figure 7 c****Figure 7 d**

**Supplementary Figure 2 a****Supplementary Figure 2 i****Supplementary Figure 3 a****Supplementary Figure 4 a****Supplementary Figure 5 c****Supplementary Figure 5 f**

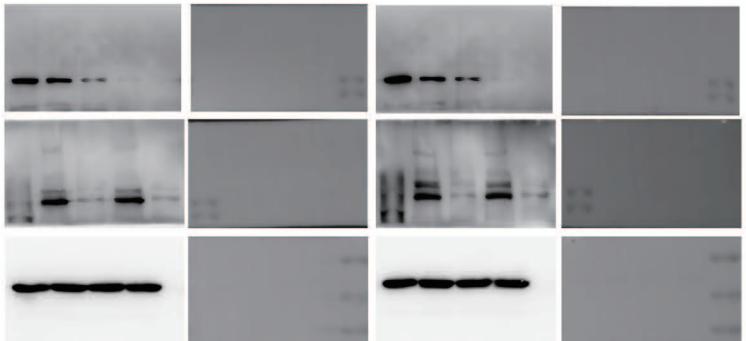
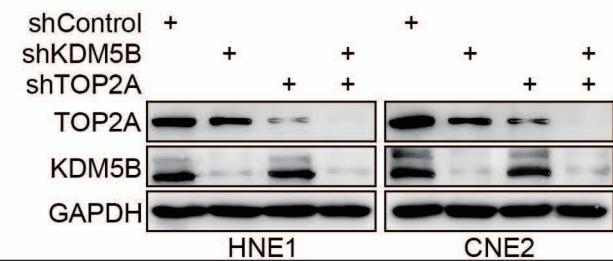
**Supplementary Figure 6 a**



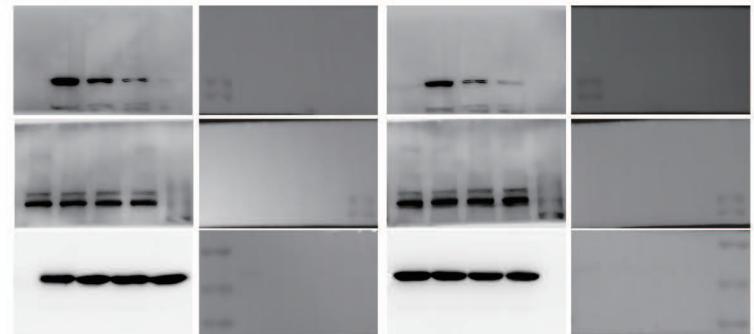
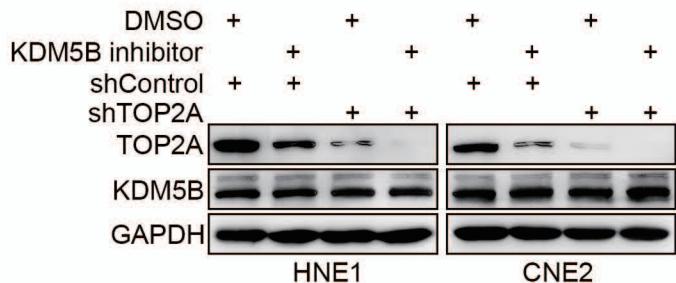
**Supplementary Figure 8 a**



**Supplementary Figure 8 c**



**Supplementary Figure 8 e**



**Supplementary Figure 8 g**

