

High-contrast exposures: We have avoided overexposure wherever possible. In cases where a longer exposure was unavoidable to detect a weak band, we have included multiple exposures (short, medium, and long) of the same membrane piece in the Supplementary Information, clearly identifying (band within the red box) which exposure was used in the main figure.

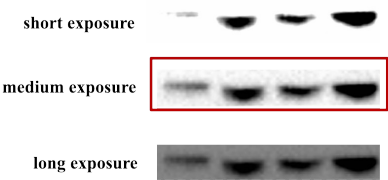


Fig.3 Synergistic effect of the sequential combination of agents in inhibiting myeloid leukemia cell proliferation
d Western blot of cleaved Caspase-3 and cleaved PARP-1 in myeloid leukemia cells. β -actin served as a loading control.

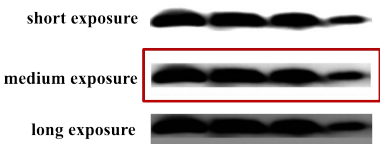


Fig.5 TIG exhibits antileukemia activity with HHT by downregulating mTOR/4EBP1 pathway proteins and mitochondrial gene expression
a Western blot of cleaved caspase-3 in the tumor tissue.

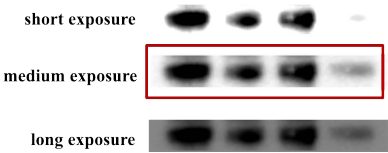


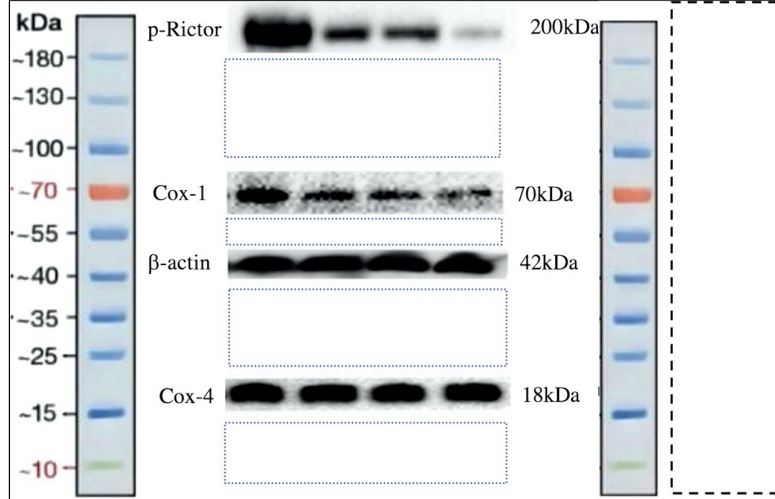
Fig.5 TIG exhibits antileukemia activity with HHT by downregulating mTOR/4EBP1 pathway proteins and mitochondrial gene expression
d Effects of TIG and HHT on the levels of p-mTOR in MOLM-13 protein expression and three primary cells treated for 72 h.

supplementary Information: Because the membrane was cut before antibody incubation, a single uncropped full-length blot containing all antibodies does not exist. However, in the revised Supplementary Information PDF we have provided complete, uncropped images of every membrane piece used to construct the cropped panels in Figure 3 and Figure 5. These supplementary images have been prepared with the following details:
The "molecular weight markers on both the left and right edges" of the gel are fully visible, confirming gel integrity and protein migration.
"Blue dashed lines" are drawn to indicate the non-protein-containing portions of the membrane that were trimmed away before antibody incubation (i.e., regions well above the largest or below the smallest protein of interest). This makes the cutting sites completely unambiguous.
"Black dashed boxes" precisely outline the cropping regions used for the PVDF membrane without protein sample.

Tumor Tissue

TIG (ug/ml)	-	+	-	+
HHT (ng/ml)	-	-	+	+

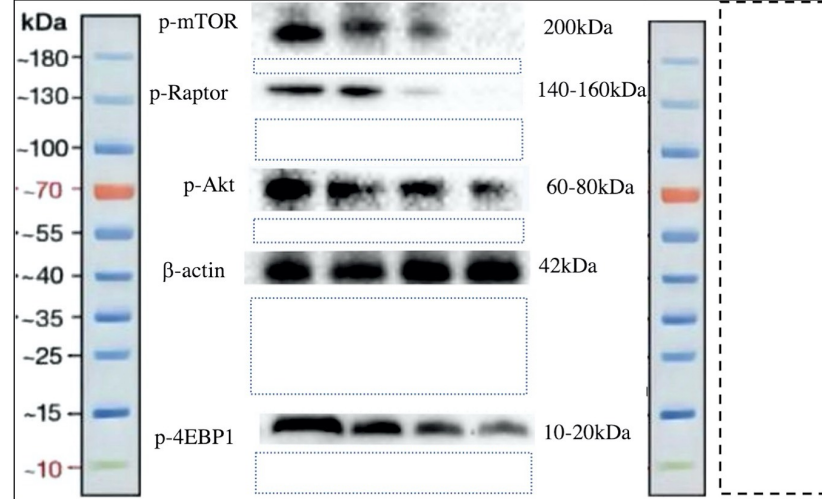
Marker



Tumor Tissue

TIG (ug/ml)	-	+	-	+
HHT (ng/ml)	-	-	+	+

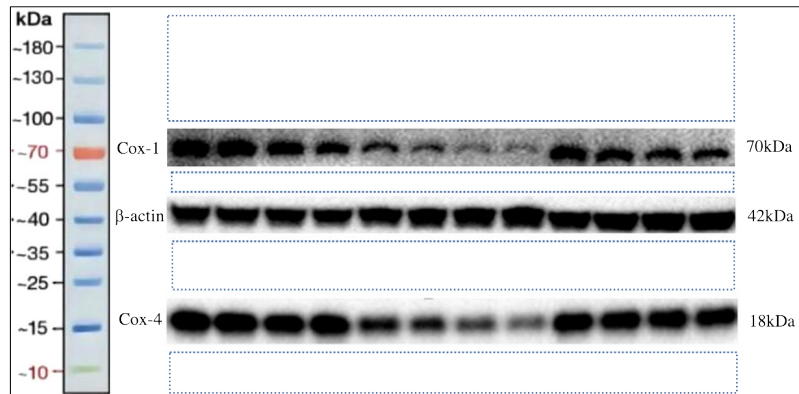
Marker



SKM-1

TIG (ug/ml)	0.5	1	2.5	5	0.5	1	2.5	5	0	0	0	0
HHT (ng/ml)	0	0	0	0	2.5	5	7.5	10	2.5	5	7.5	10

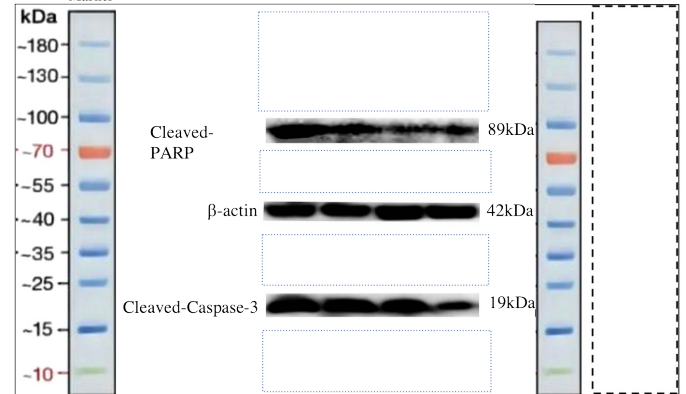
Marker



Tumor Tissue

TIG 50 mg/kg	-	+	-	+
HHT 0.5 ng/kg	-	-	+	+

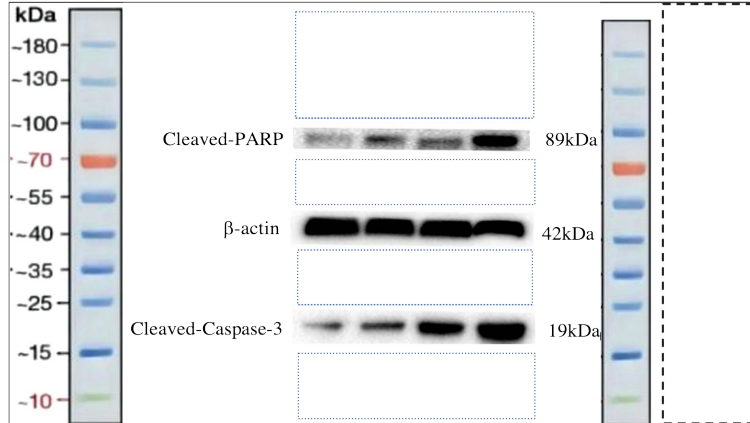
Marker



SKM-1

Tig ug/ml	5	-	+	-	+
HHT ng/ml	7.5	-	-	+	+

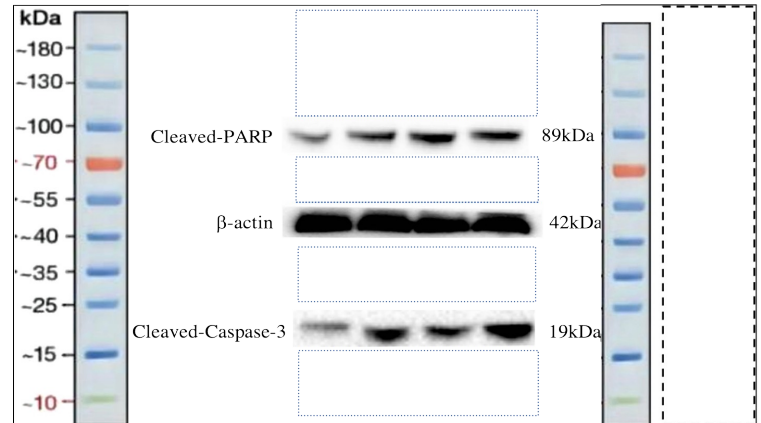
Marker

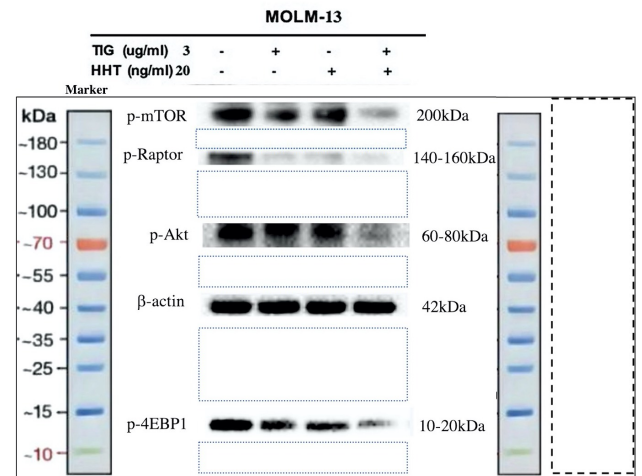
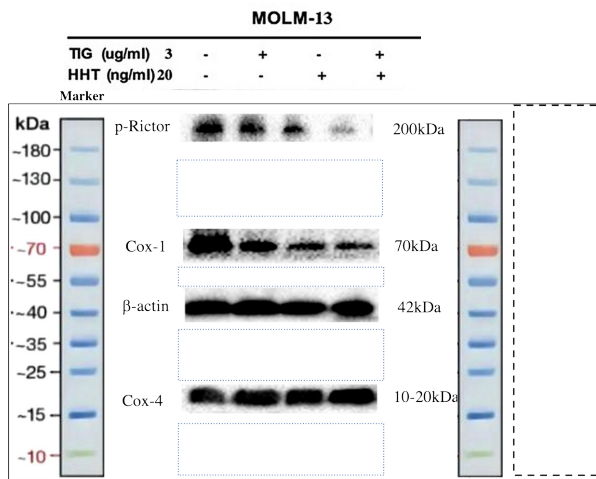
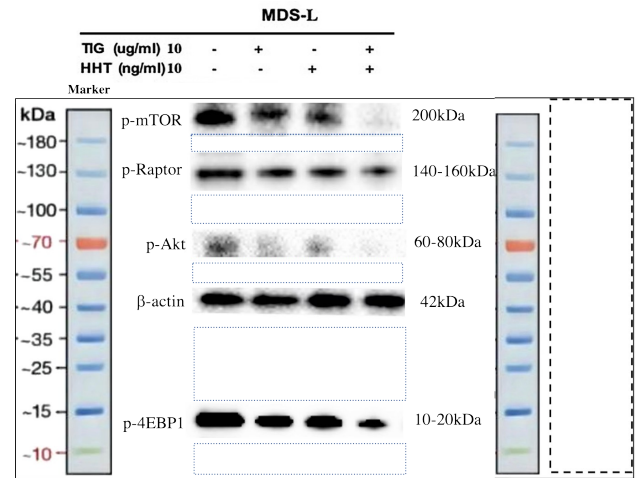
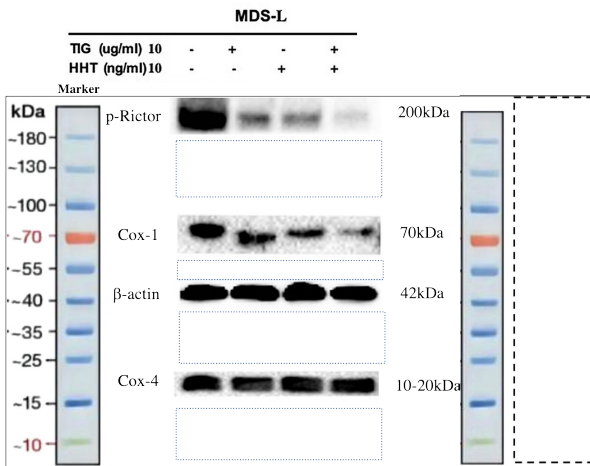
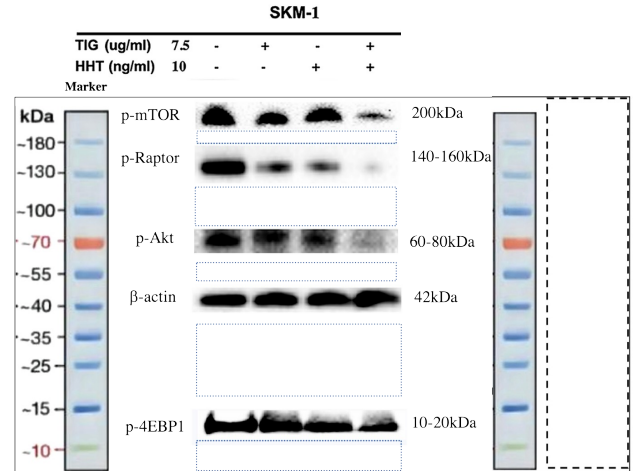
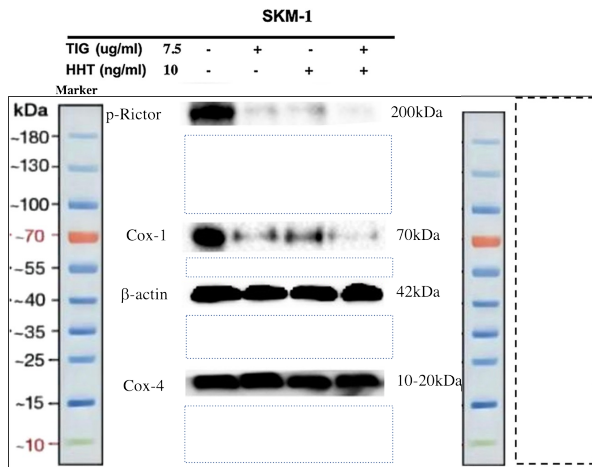


MOLM-13

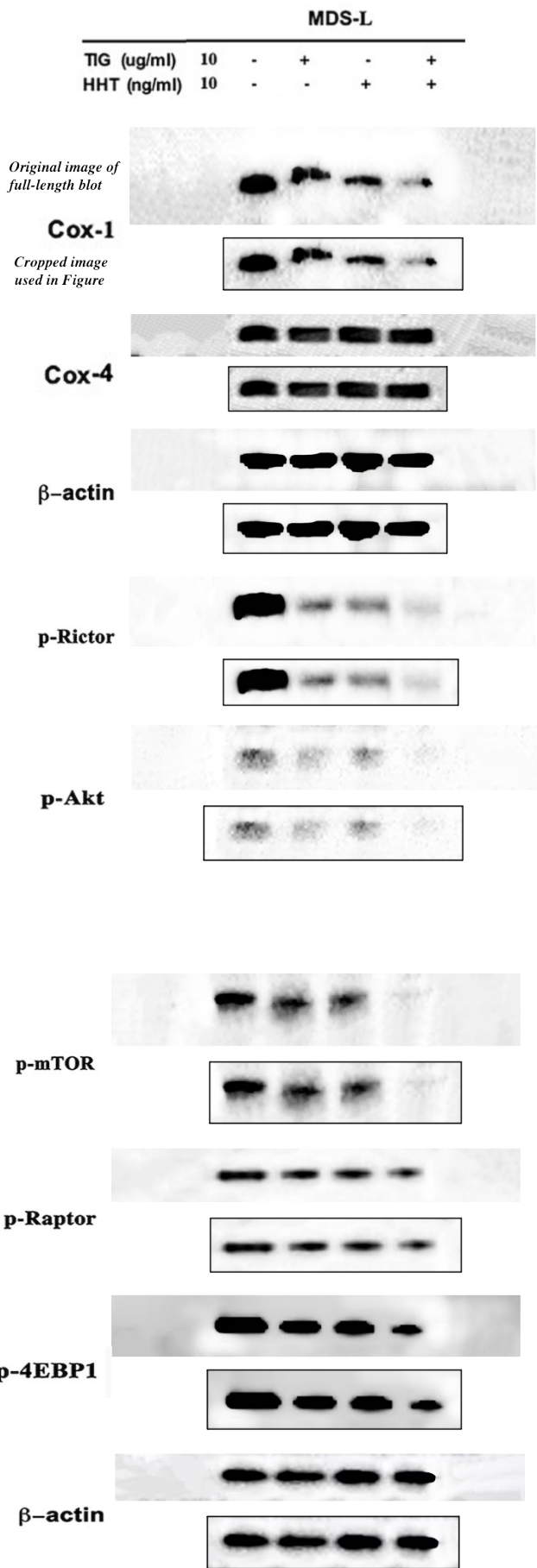
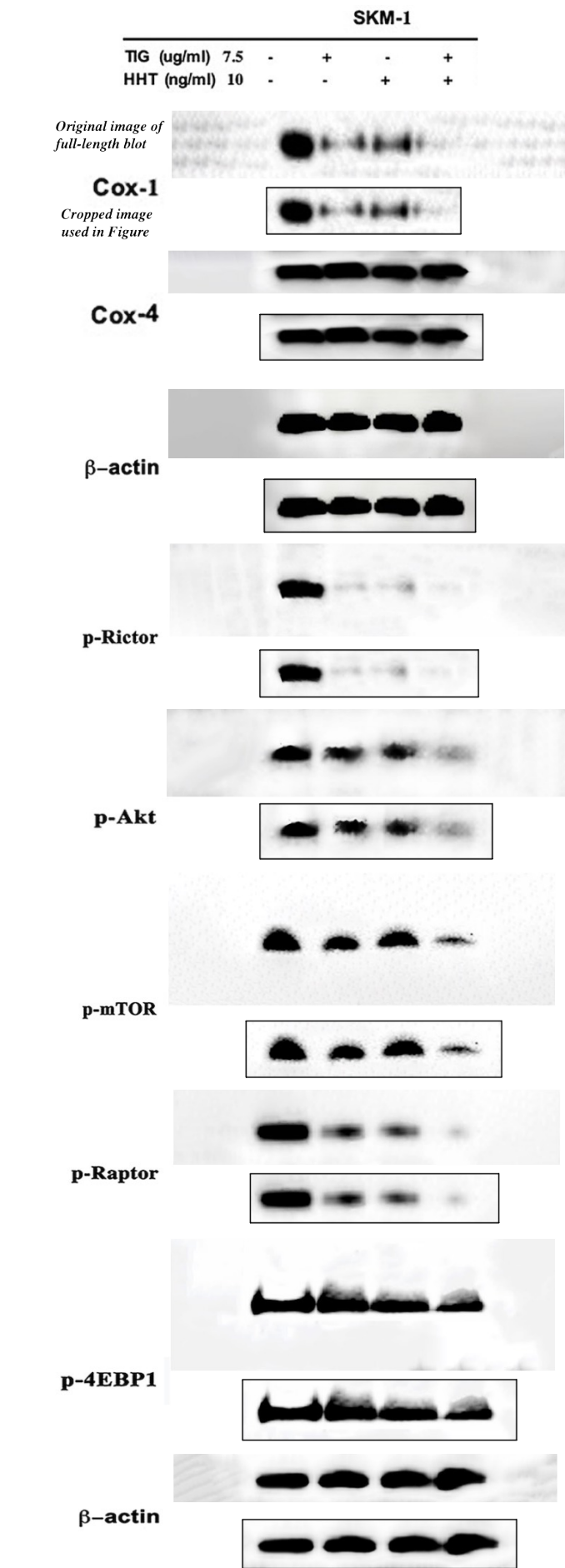
Tig ug/ml	2	-	+	-	+
HHT ng/ml	15	-	-	+	+

Marker





We have provided "uncropped, full-view images of each membrane piece" used in the main figures, with the following annotations: "Membrane edges are fully visible" in each image, demonstrating that no signal-containing region has been excluded. The cropped images in the main image correspond to the black solid line boxes regions in the Supplementary Information.



MOLM-13

TIG (ug/ml)	3	-	+	-	+
HHT (ng/ml)	20	-	-	+	+

Original image of full-length blot

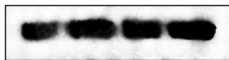


Cox-1

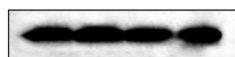
Cropped image used in Figure



Cox-4



β-actin



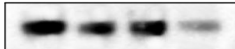
p-Rictor



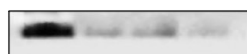
p-Akt



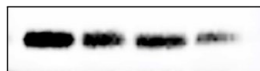
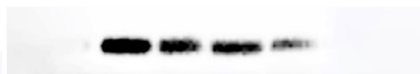
p-mTOR



p-Raptor



p-4EBP1



β-actin



Tumor Tissue

TIG (ug/ml)	-	+	-	+
HHT (ng/ml)	-	-	+	+

Original image of full-length blot



Cox-1

Cropped image used in Figure



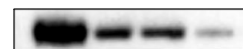
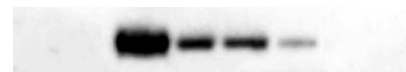
Cox-4



β-actin



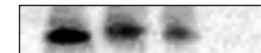
p-Rictor



p-Akt



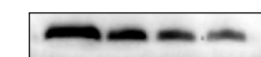
p-mTOR



p-Raptor



p-4EBP1



β-actin

