

Globular Adiponectin Inhibits Breast Cancer Cell Growth through Modulation of Inflammasomes Activation: Critical Role of Sestrin2 and AMPK Signaling

Duc-Vinh Pham, Pawan Kumar Raut, Mahesh Pandit, Jae-Hoon Chang, Nikita Katila, Dong-Young Choi, Jee-Heon Jeong and Pil-Hoon Park

Supplementary Materials

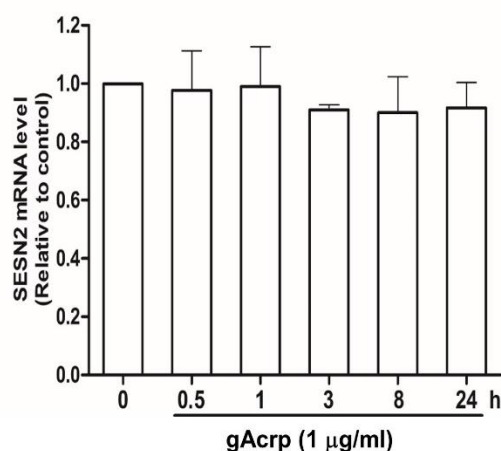


Figure S1. Effect of globular adiponectin on SESN2 mRNA expression level in breast cancer cells. MCF-7 cells were treated with gAcrp (1 µg/mL) for indicated time periods. Sestrin2 mRNA levels were determined by qT-PCR analysis.

Figure S2

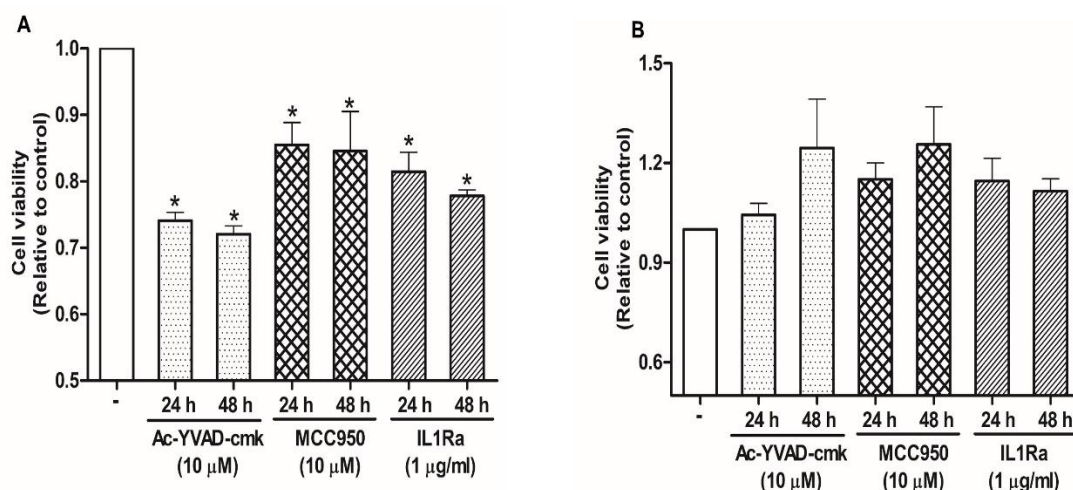
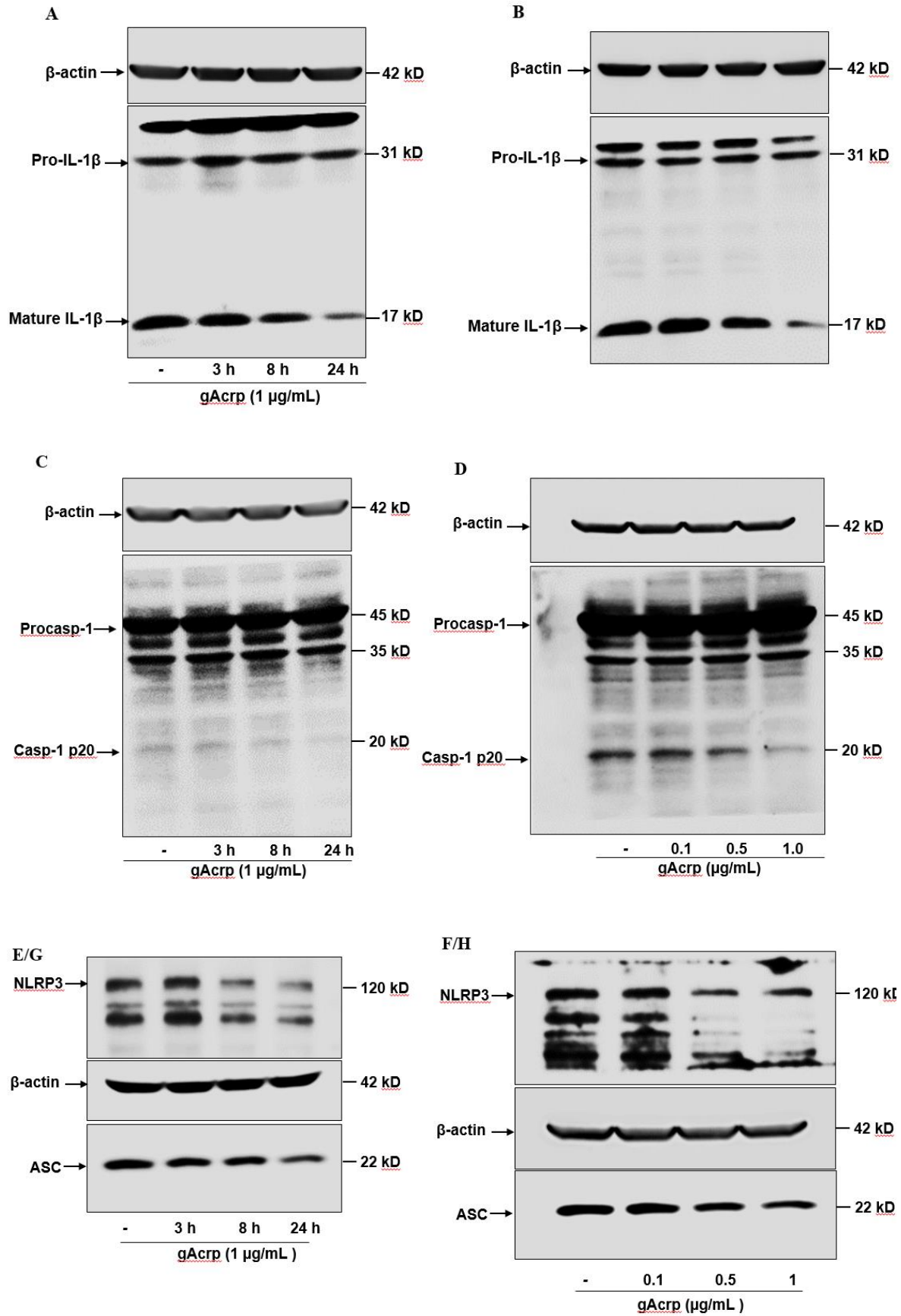
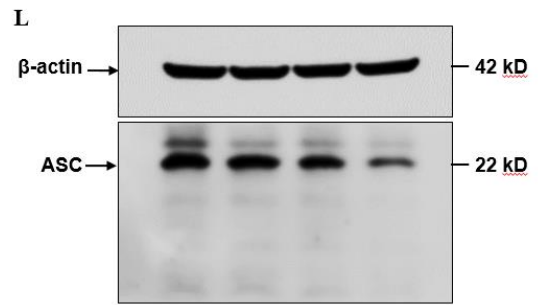
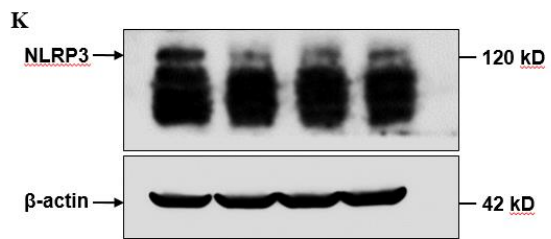
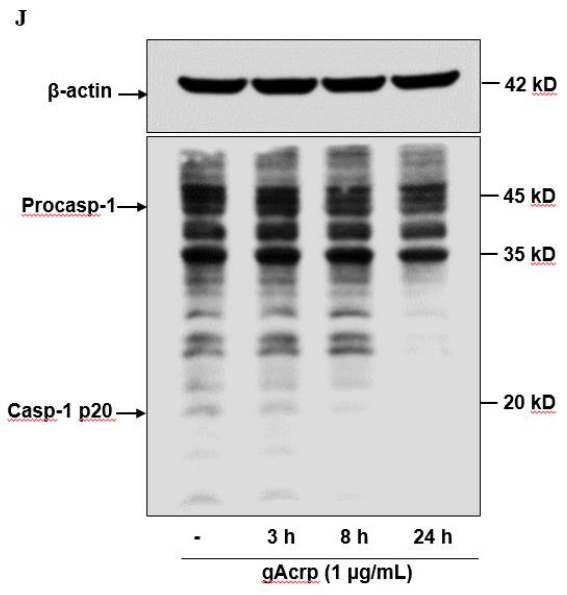
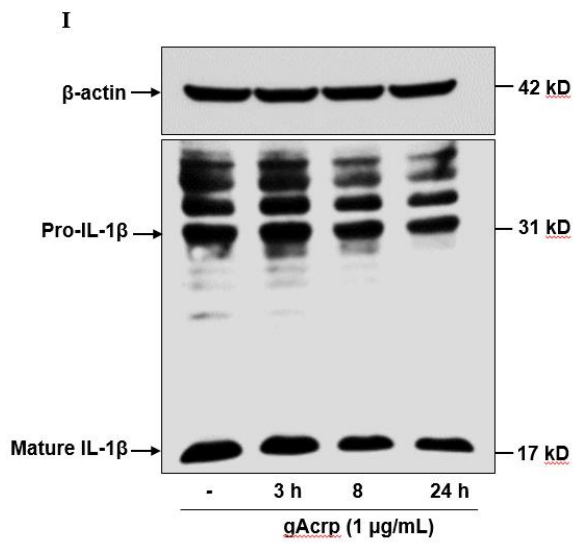
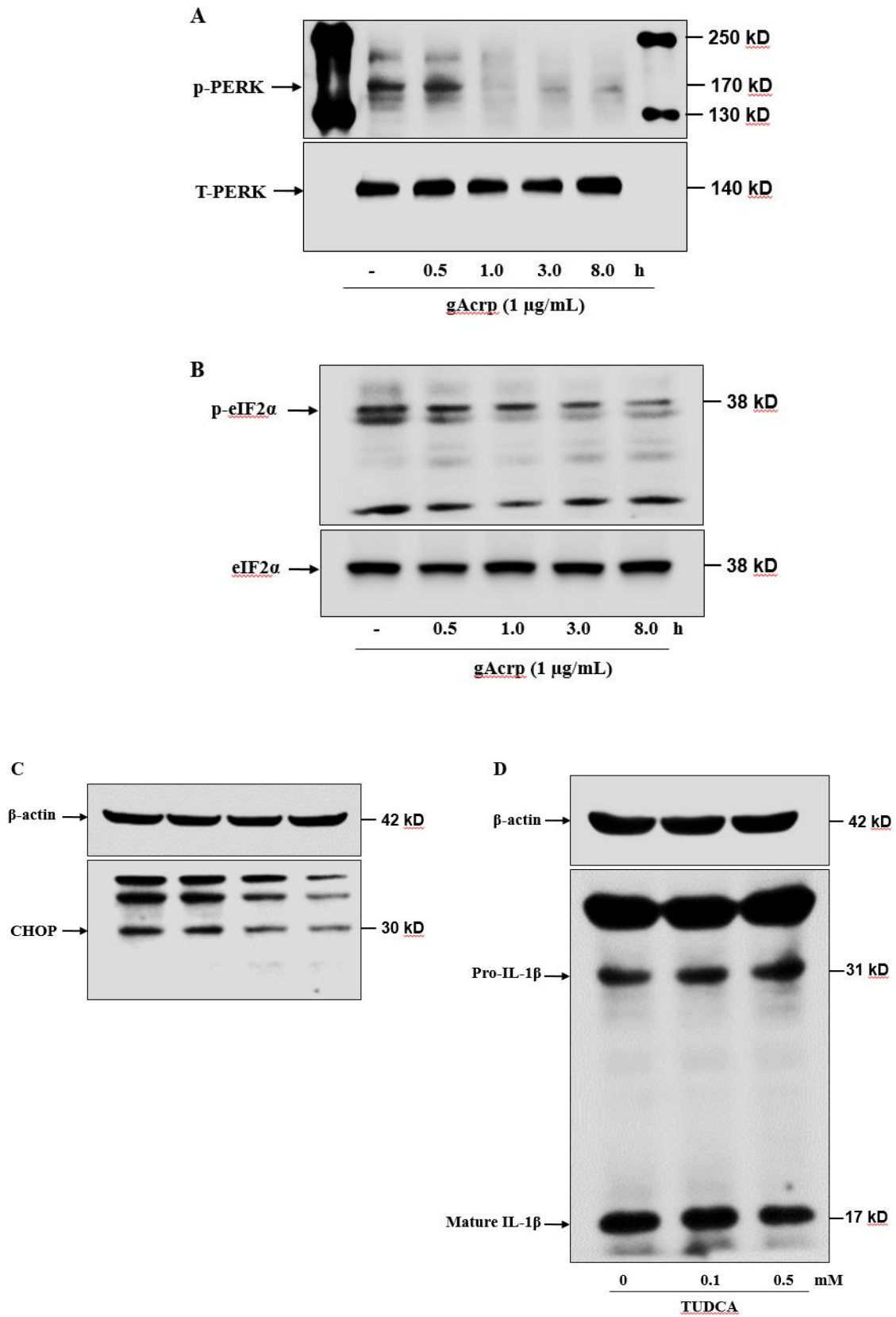


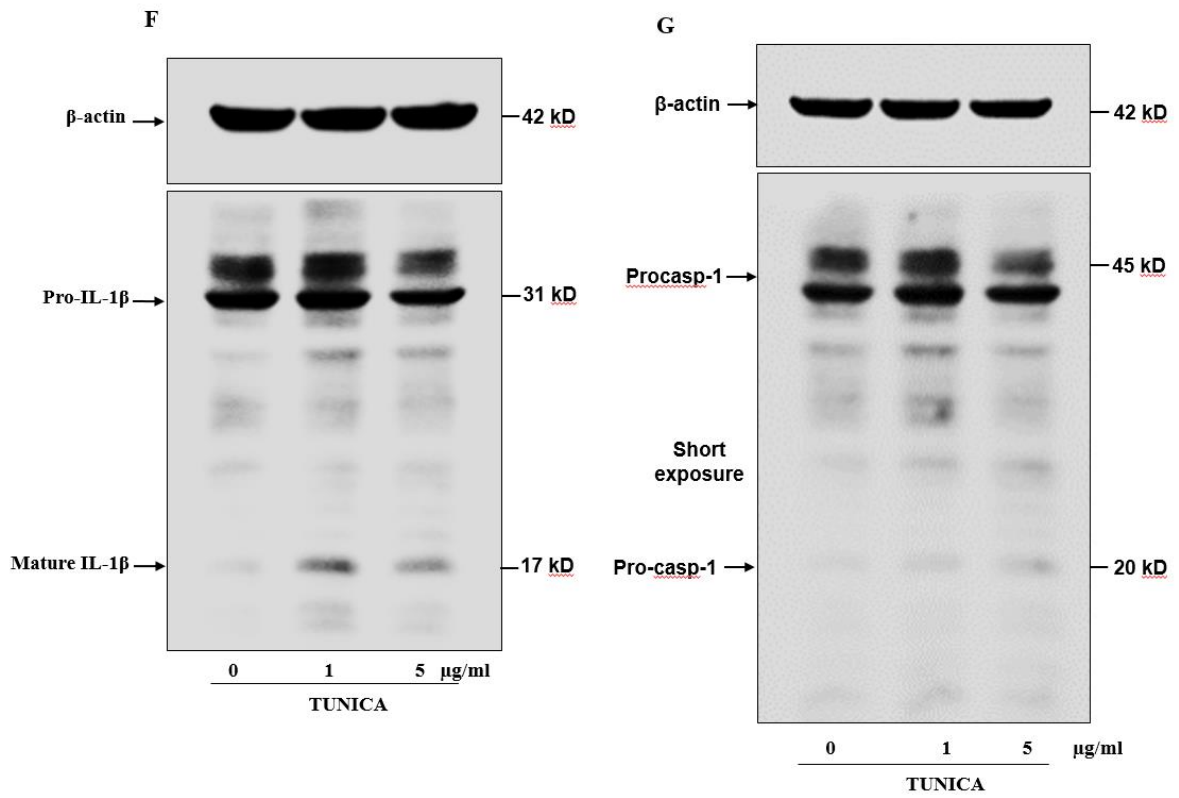
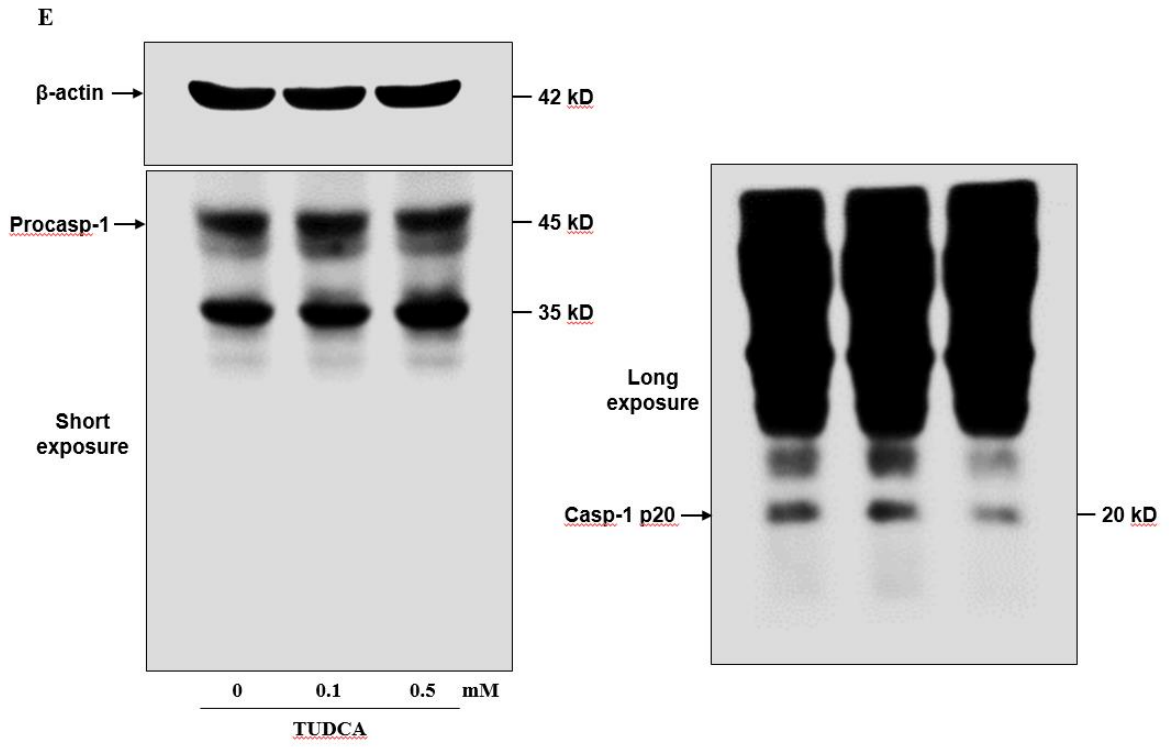
Figure S2. Effect of inflammasomes inhibitors on the viability of breast cancer cells. T47D cells (A) or MDA-MB-231 cells (B) were treated with Ac-YVAD-cmk, MCC950, or IL-1Ra for indicated time durations. Cell viability was determined by MTS assay.



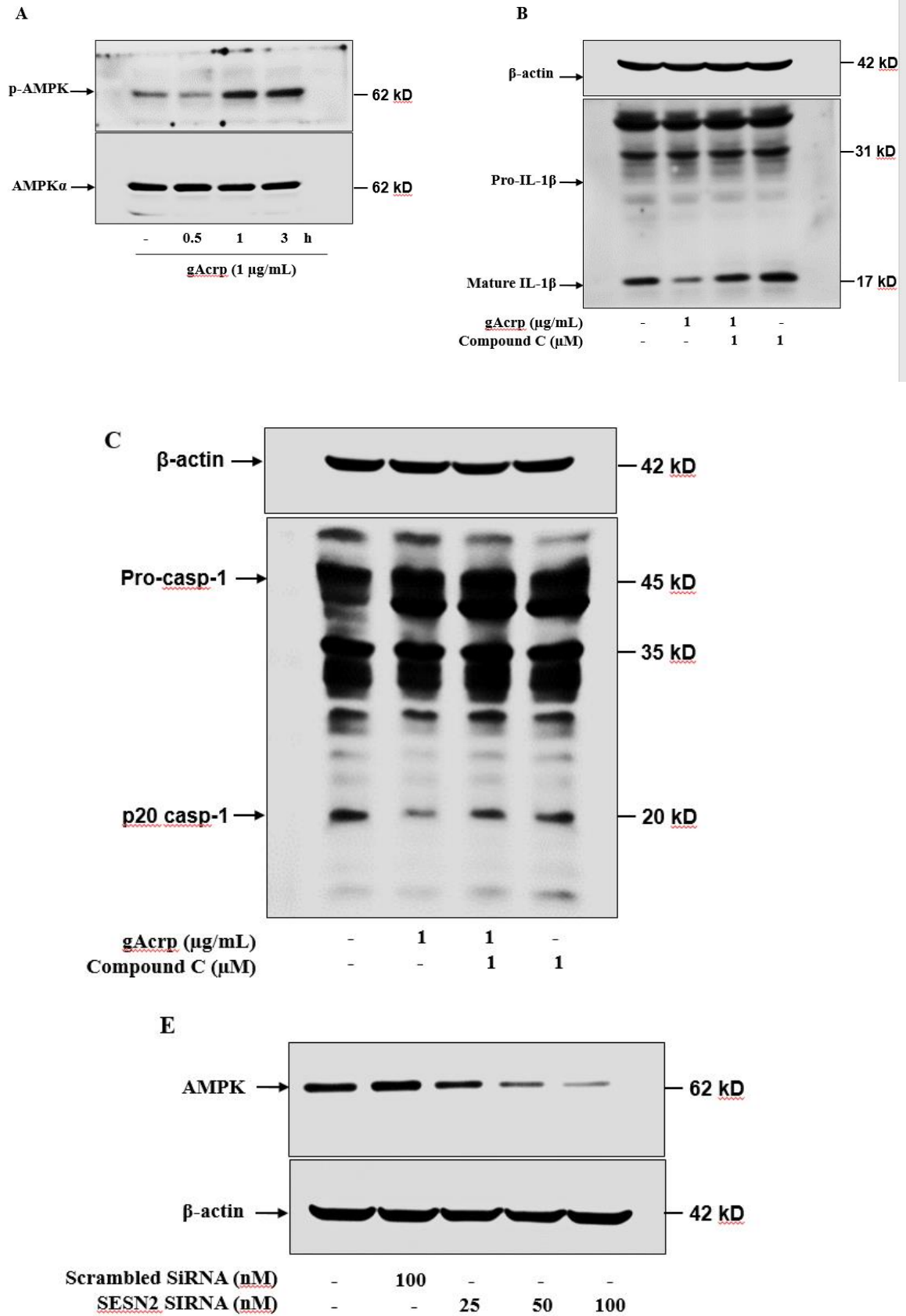


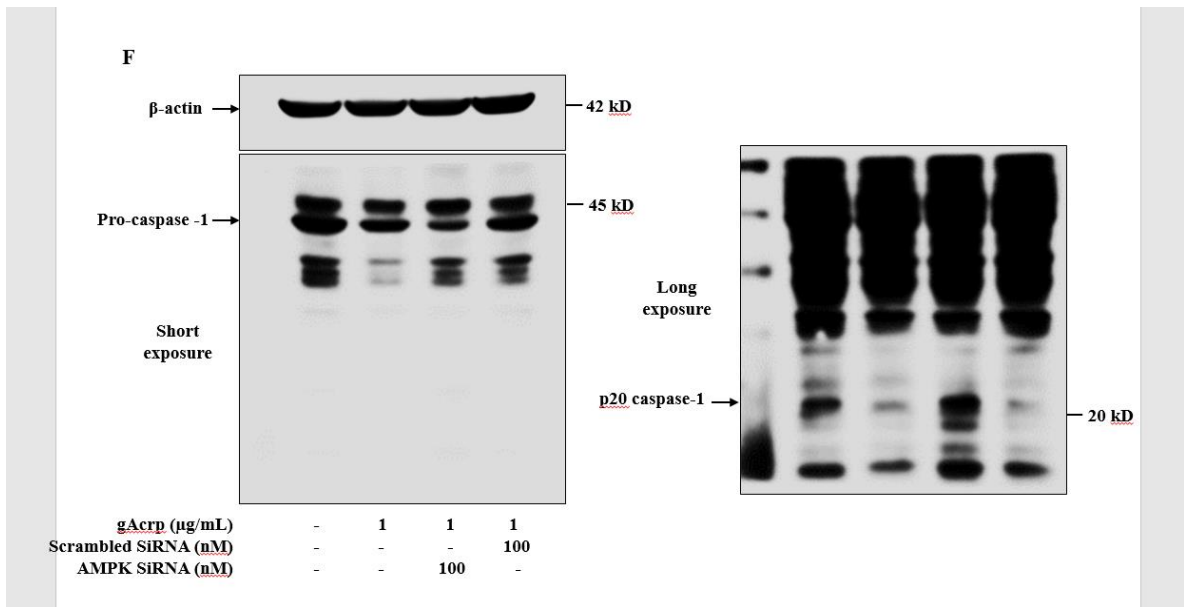
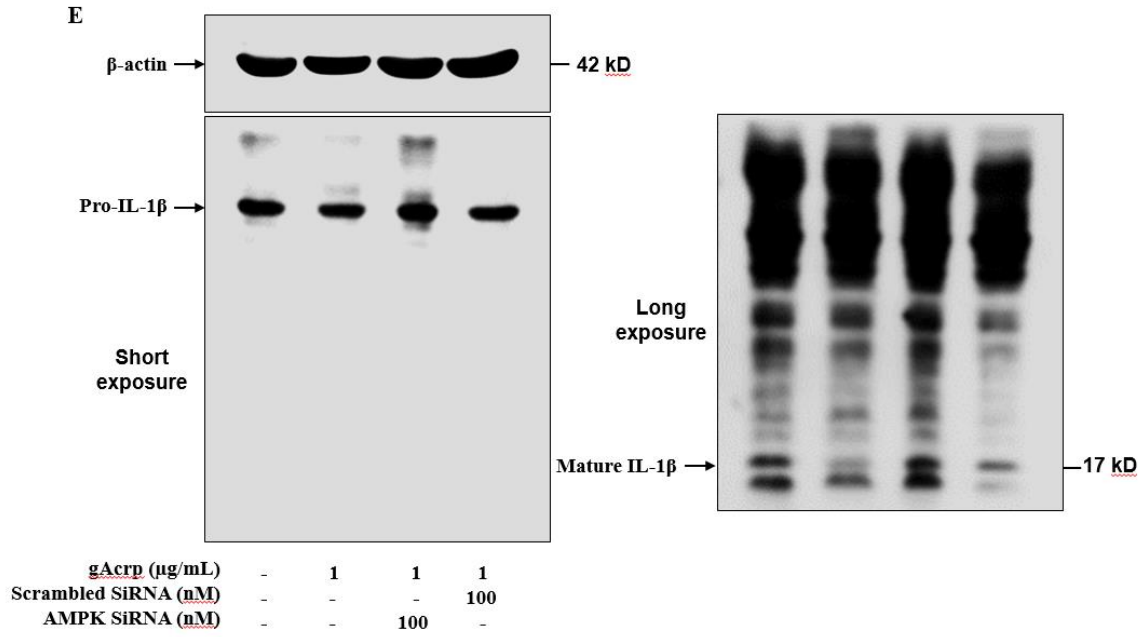
Whole Western blots for Figure 2



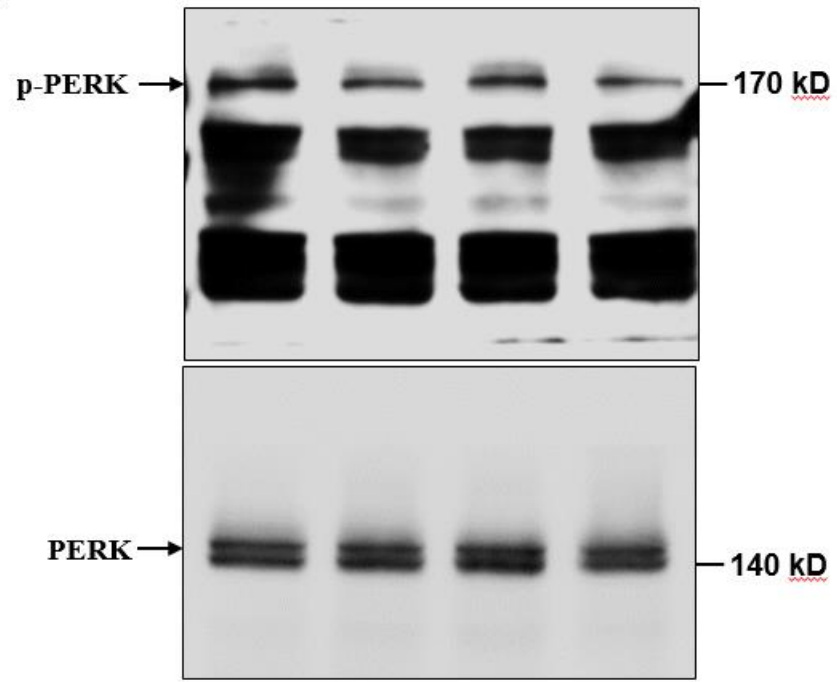


Whole Western blots for Figure 3

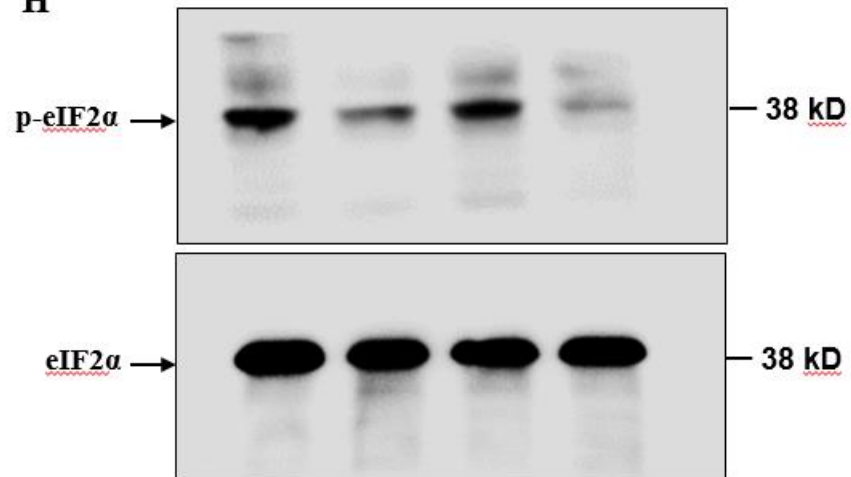




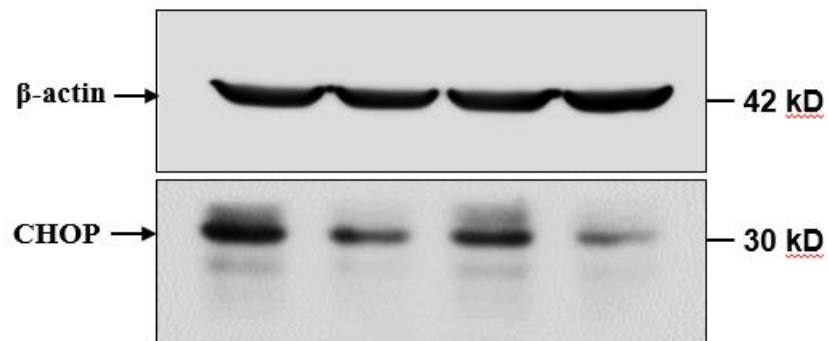
G



gAcrp ($\mu\text{g/mL}$)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	100
AMPK SiRNA (nM)	-	-	100	-

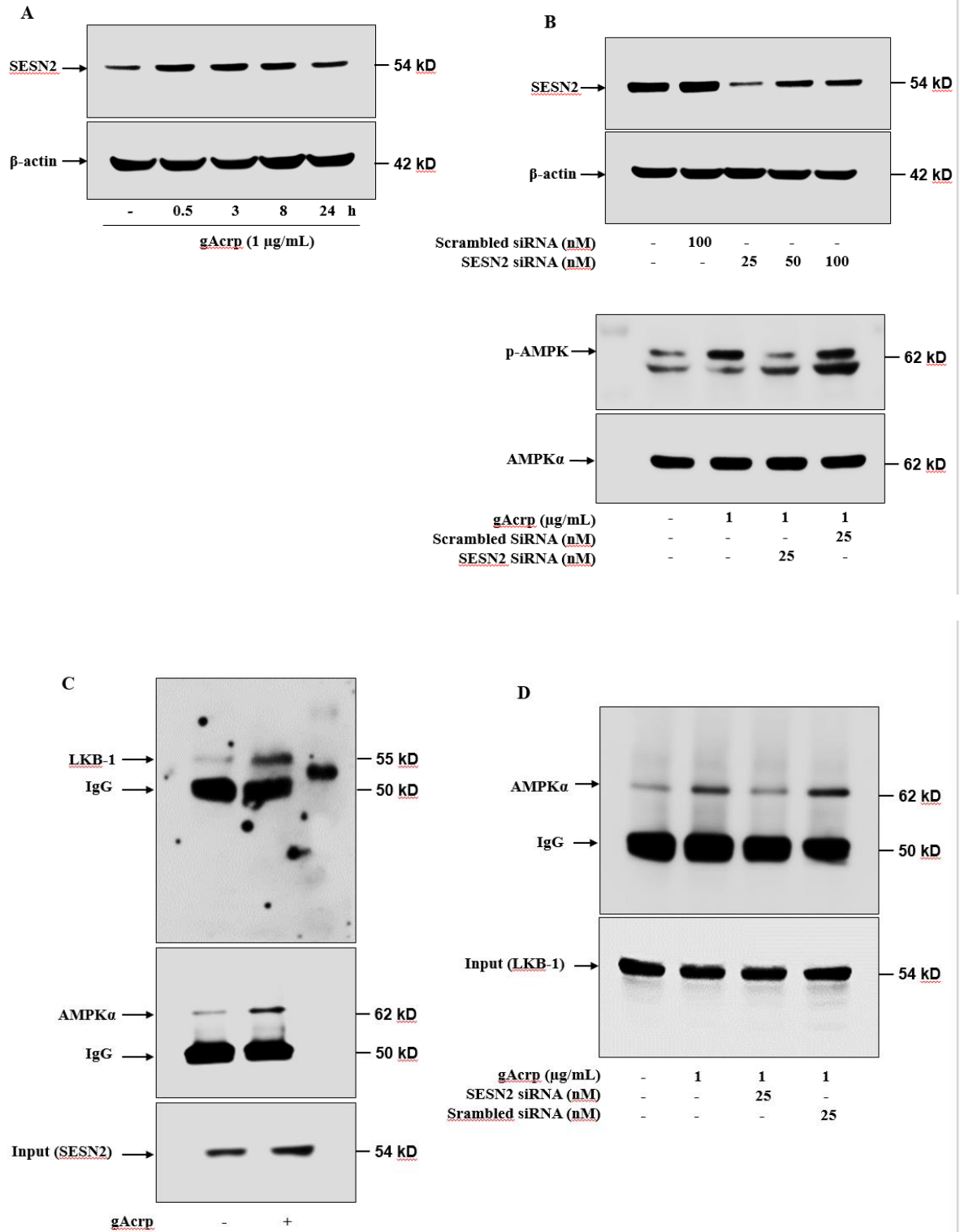
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gAcrp (μg/mL)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	100
AMPK SiRNA (nM)	-	-	100	-

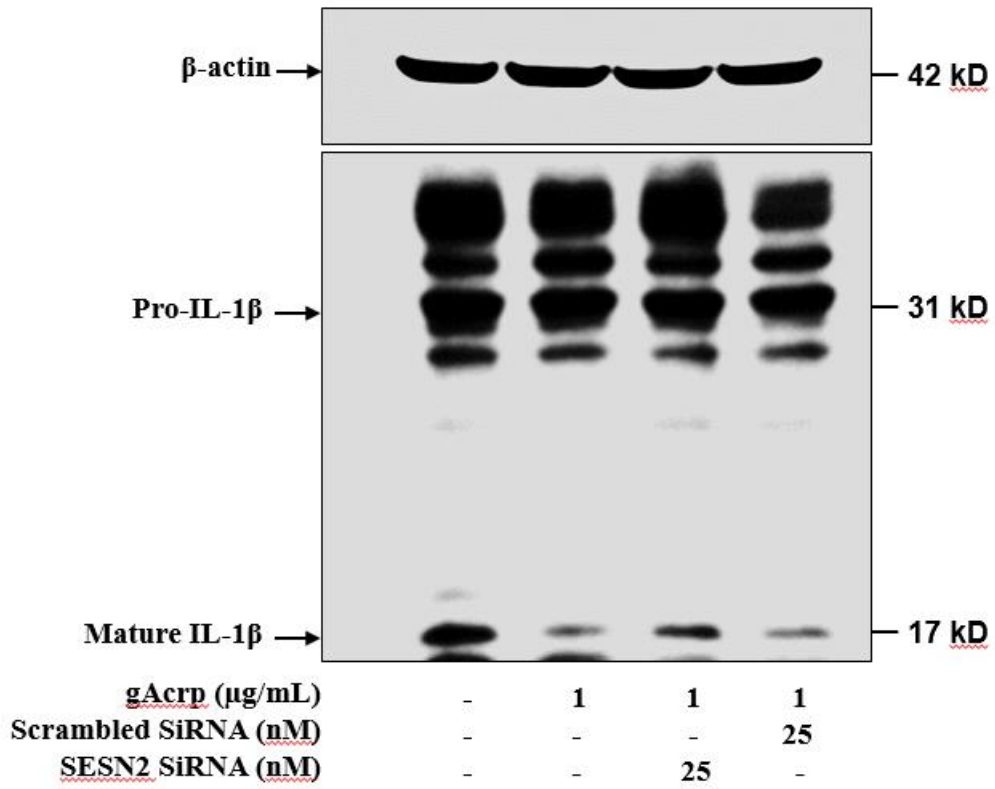
I

gAcrp (μg/mL)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	100
AMPK SiRNA (nM)	-	-	100	-

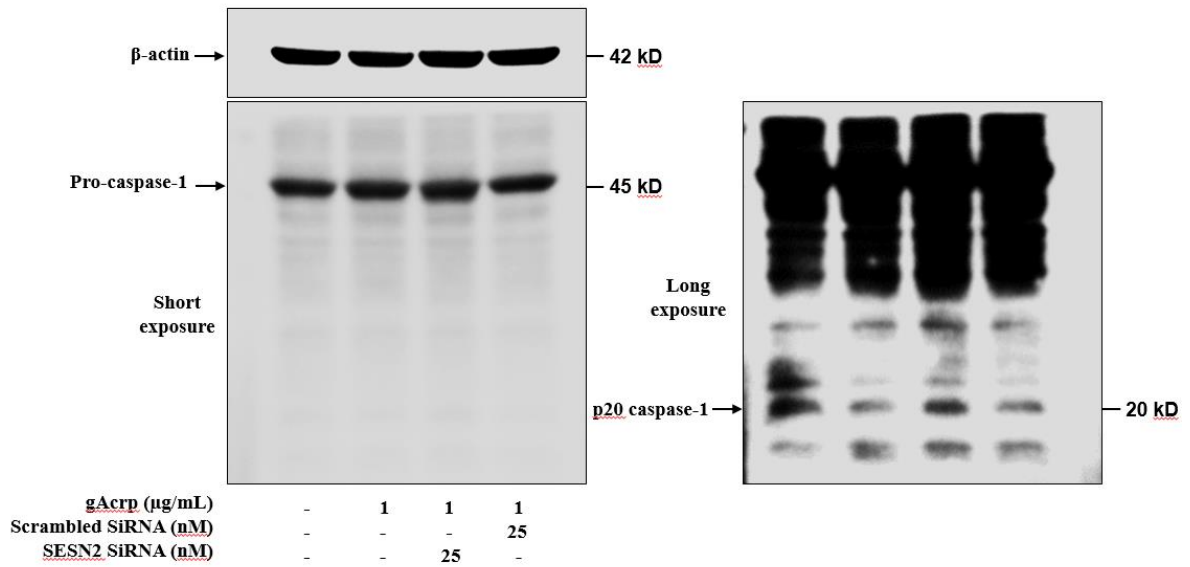
Whole Western blots for Figure 4



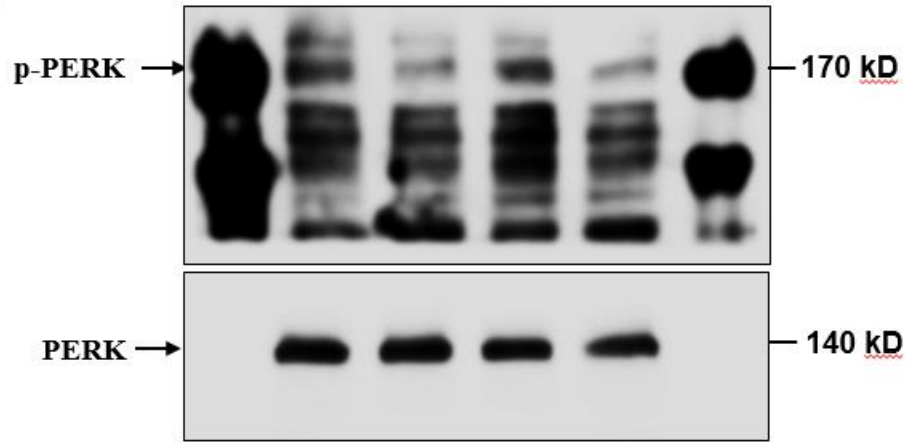
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F

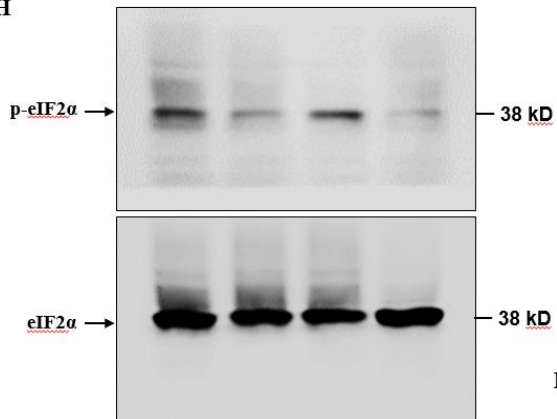


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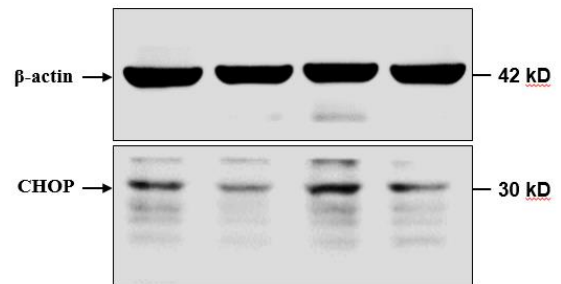
gAcrp (μg/mL)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	25
SESN2 SiRNA (nM)	-	-	25	-

H



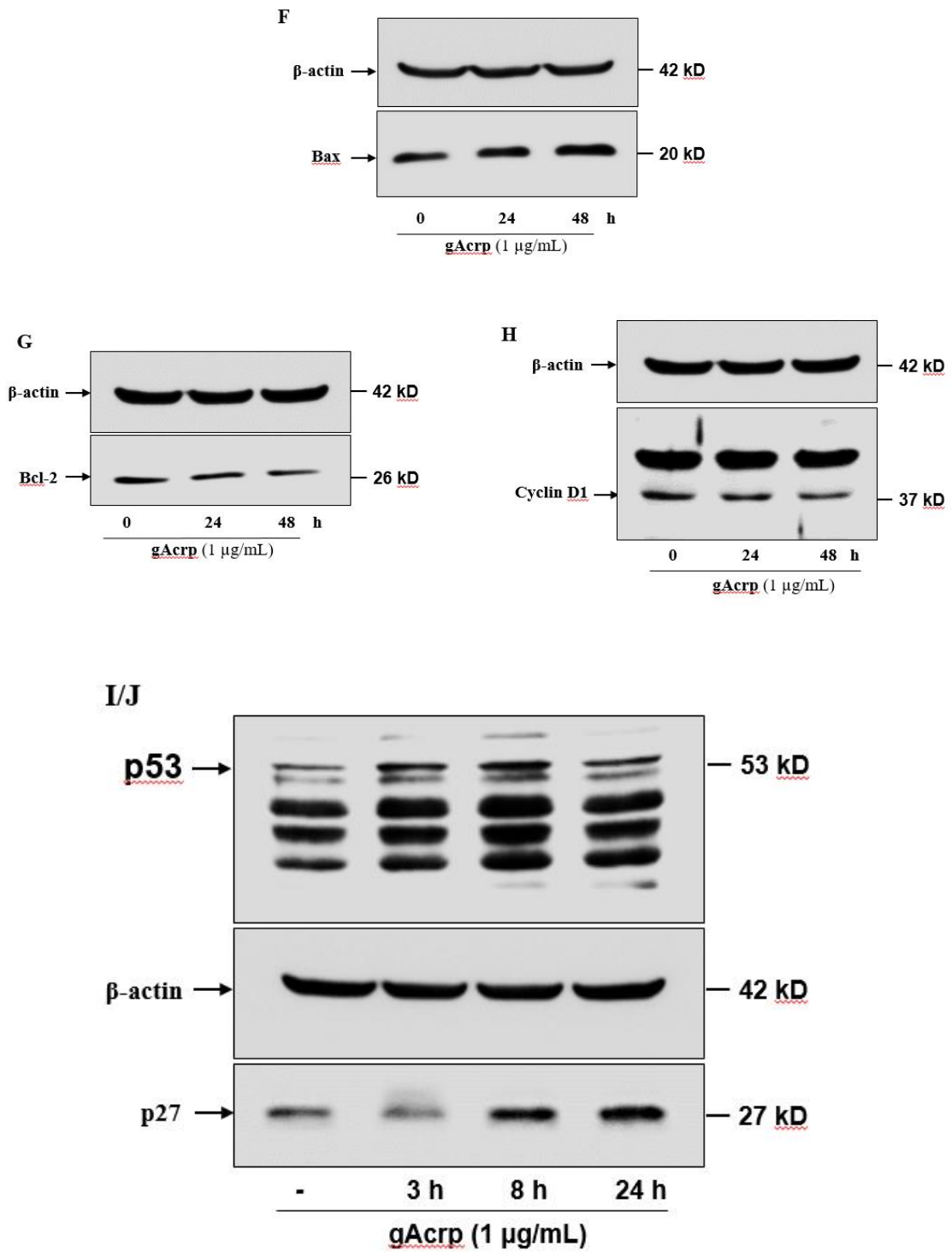
gAcrp (μg/mL)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	25
SESN2 SiRNA (nM)	-	-	25	-

I

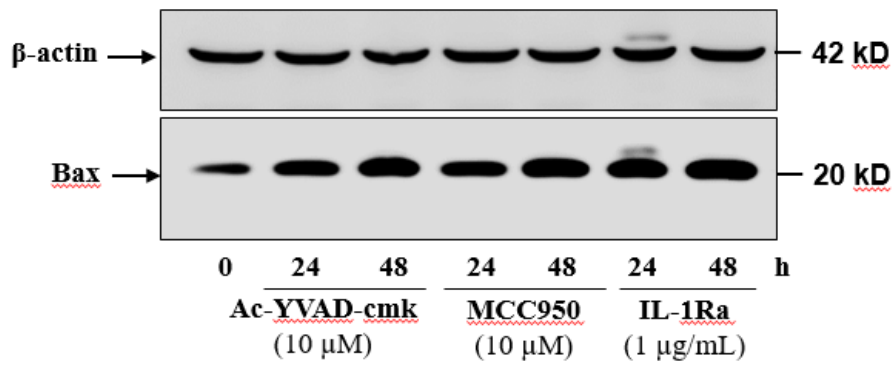


gAcrp (μg/mL)	-	1	1	1
Scrambled SiRNA (nM)	-	-	-	25
SESN2 SiRNA (nM)	-	-	25	-

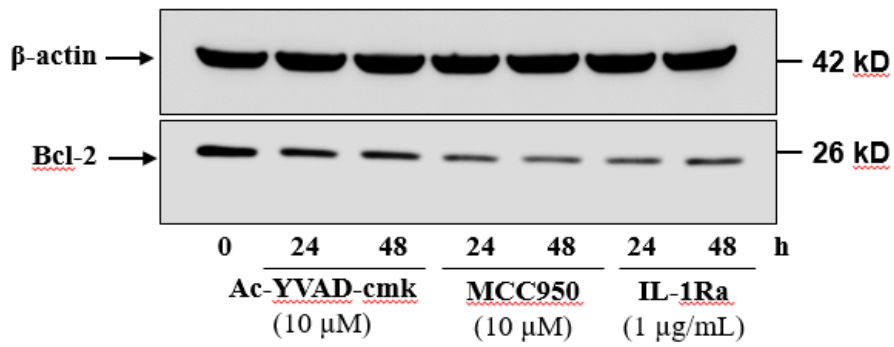
Whole Western blots for Figure 5



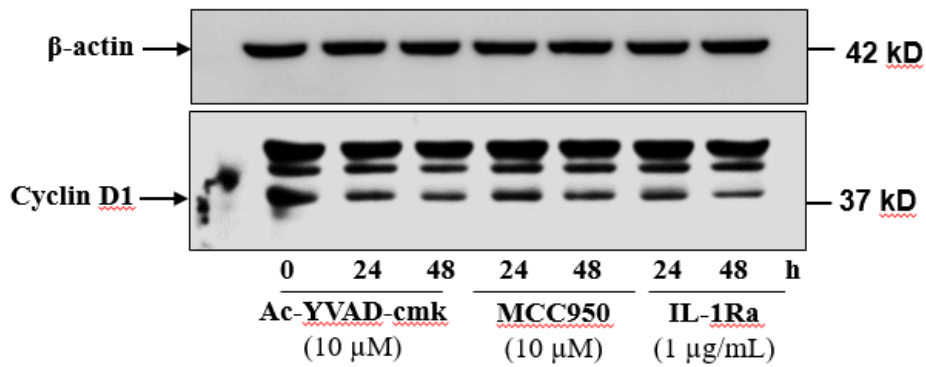
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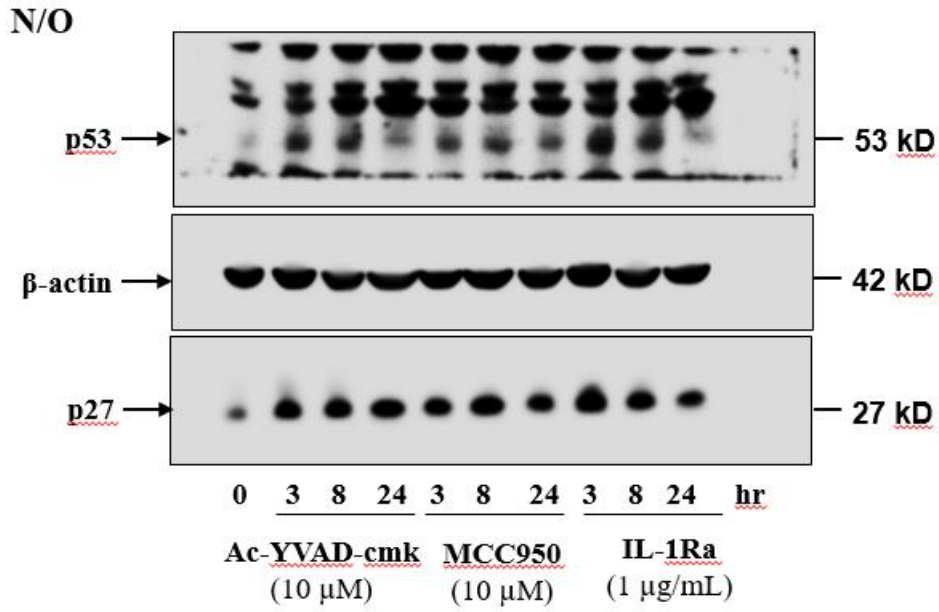


L

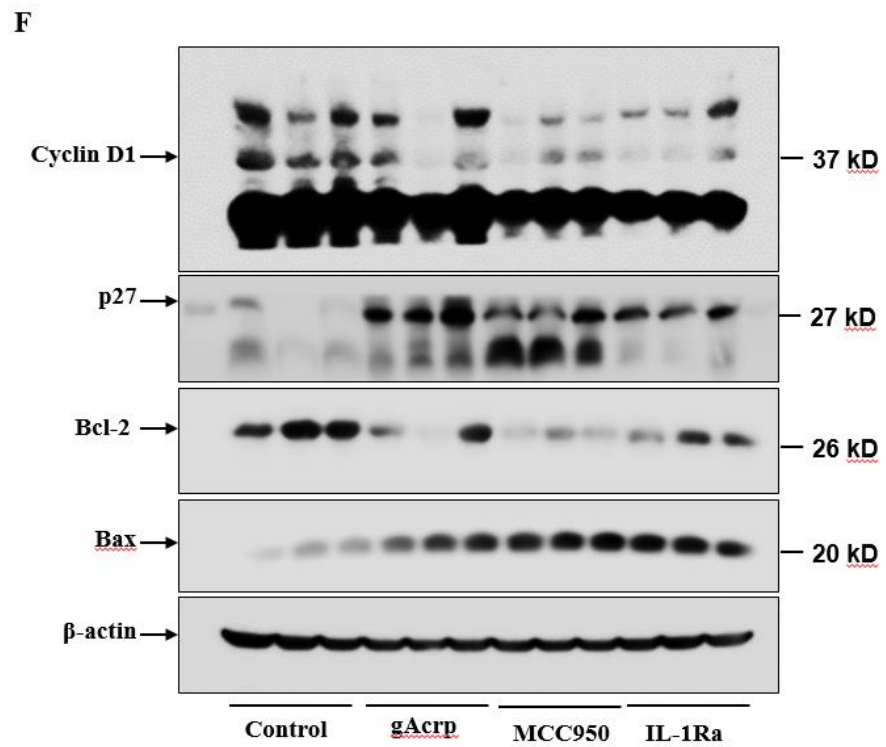


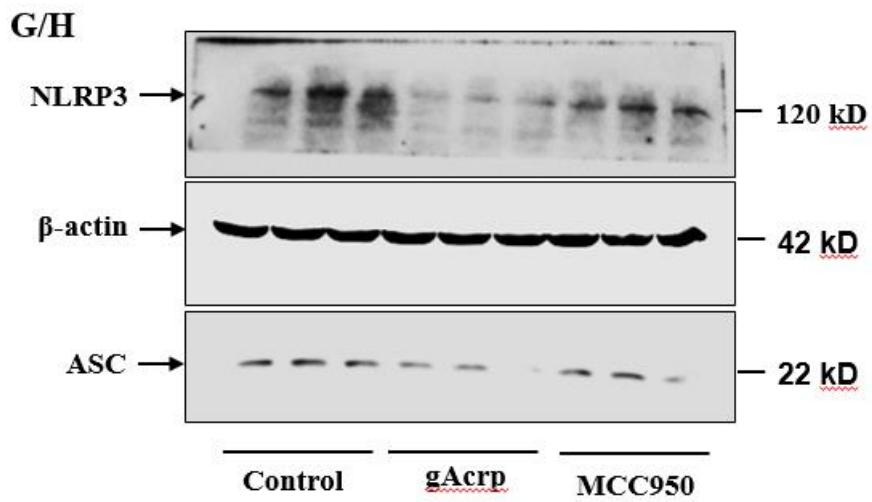
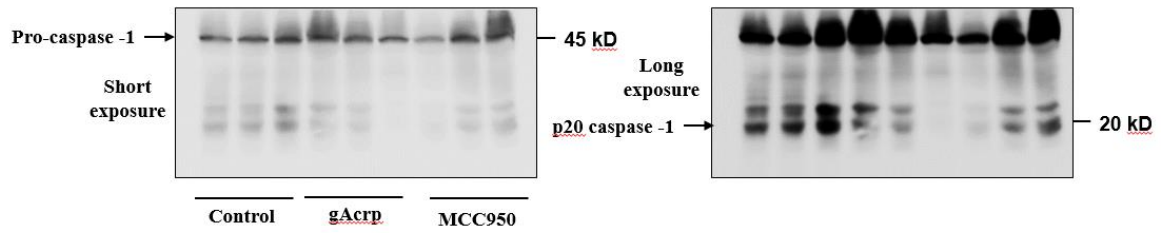
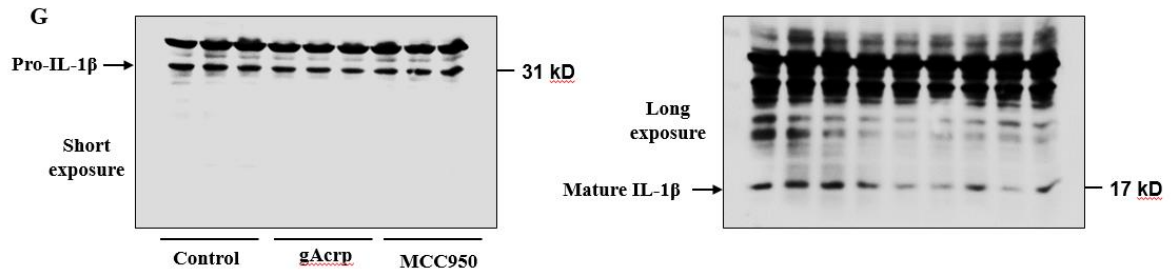
M





Whole Western blots for Figure 6





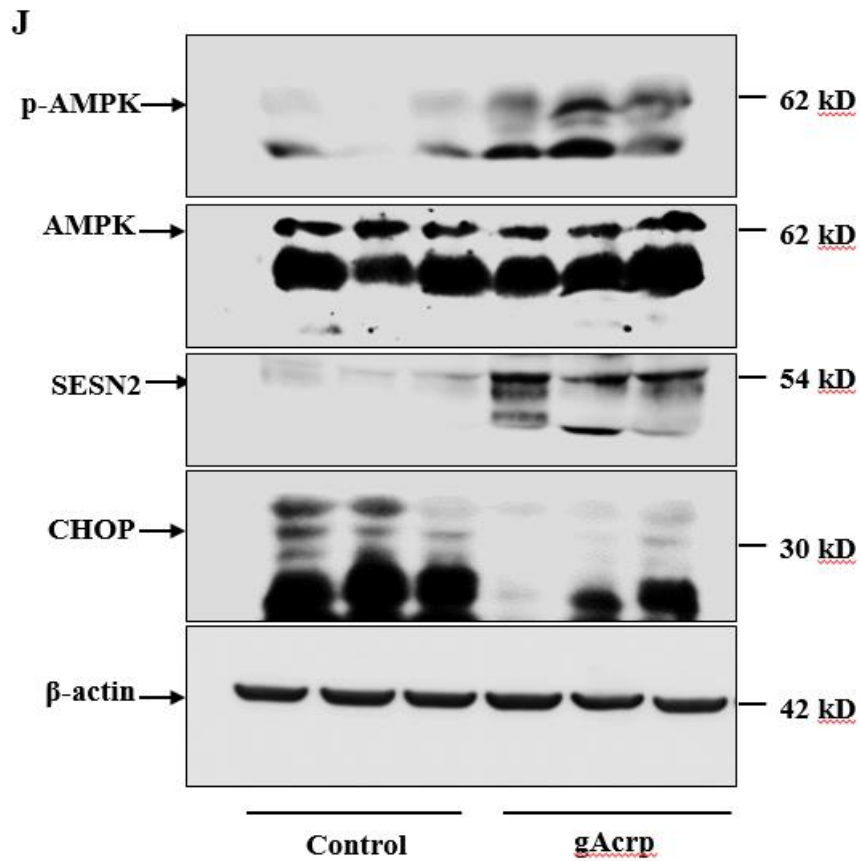


Figure S3. Blots from Western blot analysis.



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