

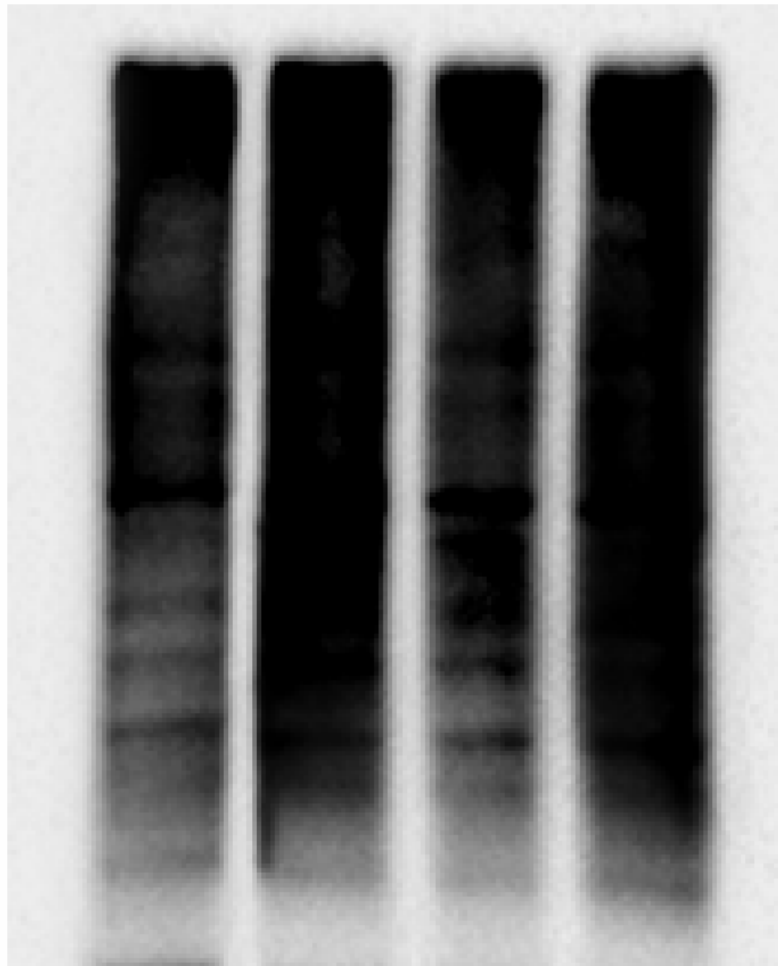
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supplemental Figure 1 GAS5 potentiated TRIB3 protein ubiquitination. The NSCLC cell lines (PC-9 and H1299) were co-transfected with pcDNA-GAS5, My-TRIB3, HA-ubiquitin (Ub) and then treated with MG132 (10 μ M) for 6 hours. Western blot was performed to analyze the level of the endogenous TRIB3-associated ubiquitination and TRIB3 protein.

supplemental Figure 2 GAS5 attenuated the HG-induced anti-apoptosis of NSCLC cells without altering cell cycle. NSCLC cells were divided into 5 experimental groups: LG (low glucose treatment), HG (high glucose treatment), HG+pcDNA (transfection of pcDNA and high glucose treatment), HG+pcDNA-GAS5 (transfection of pcDNA-GAS5 and high glucose treatment) and HG+pcDNA-GAS5+pcDNA-TRIB3 (co-transfection of pcDNA-GAS5 and pcDNA-TRIB3, and high glucose treatment). **(A)** The cell cycle and **(B)** apoptosis of NSCLC cells were detected using Flow cytometry. *P<0.05 vs. LG; #P<0.05 vs. HG + pcDNA; &P<0.05 vs. HG + pcDNA-GAS5.

H1299

PC-9

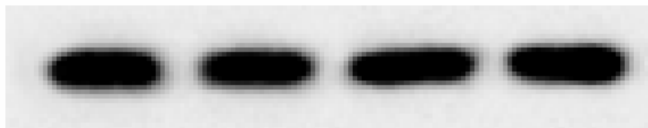


Ubs-TRIB3

TRIB3



β -actin



My-TRIB3

+ + + +

HA-Ub

+ + + +

SLAH1

+ + + +

MG132

+ + + +

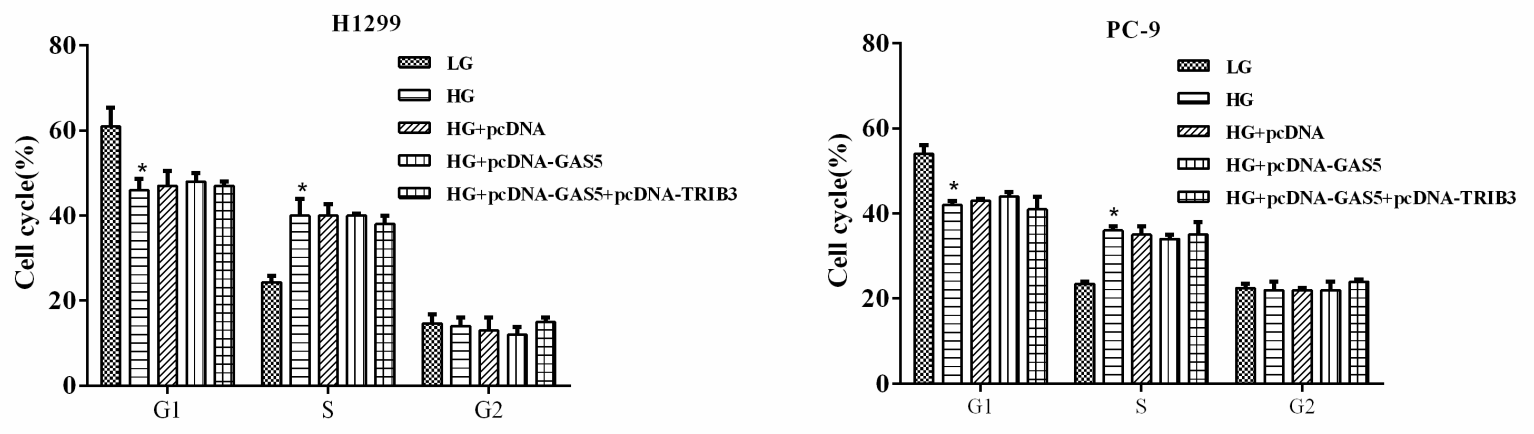
pcDNA

+ - + -

pcDNA-GAS5

- + - +

A



B

