The regulatory protein GADD34 inhibits TRAIL-induced apoptosis via TRAF6/ERK-dependent stabilization of myeloid cell leukemia 1 in liver cancer cells

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Supplementary Information

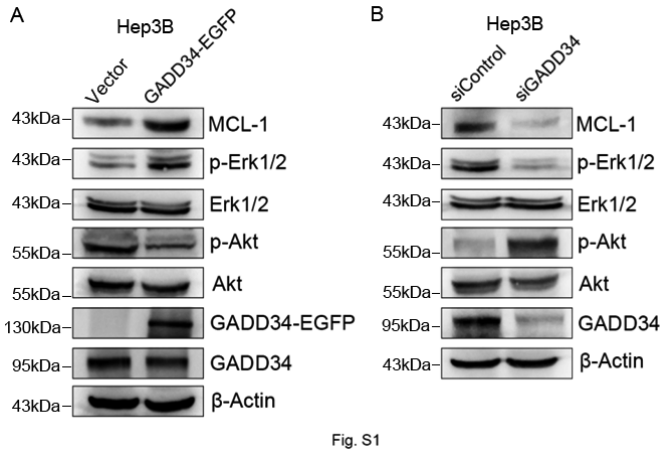

Fig. S1

Supplementary Figure 1. GADD34 up-regulates Erk phosphorylation and MCL-1 protein expression in Hep3B cells. **(A)** Hep3B cells were transfected with the EGFP-tagged GADD34 expression plasmid or EGFP vector, followed by western blot analysis of MCL-1, p-Erk1/2, p-Akt and GADD34 expression. **(B)** Hep3B cells were transfected with siControl or siGADD34, followed by western blot analysis of MCL-1, p-Erk1/2, p-Akt and GADD34 expression.

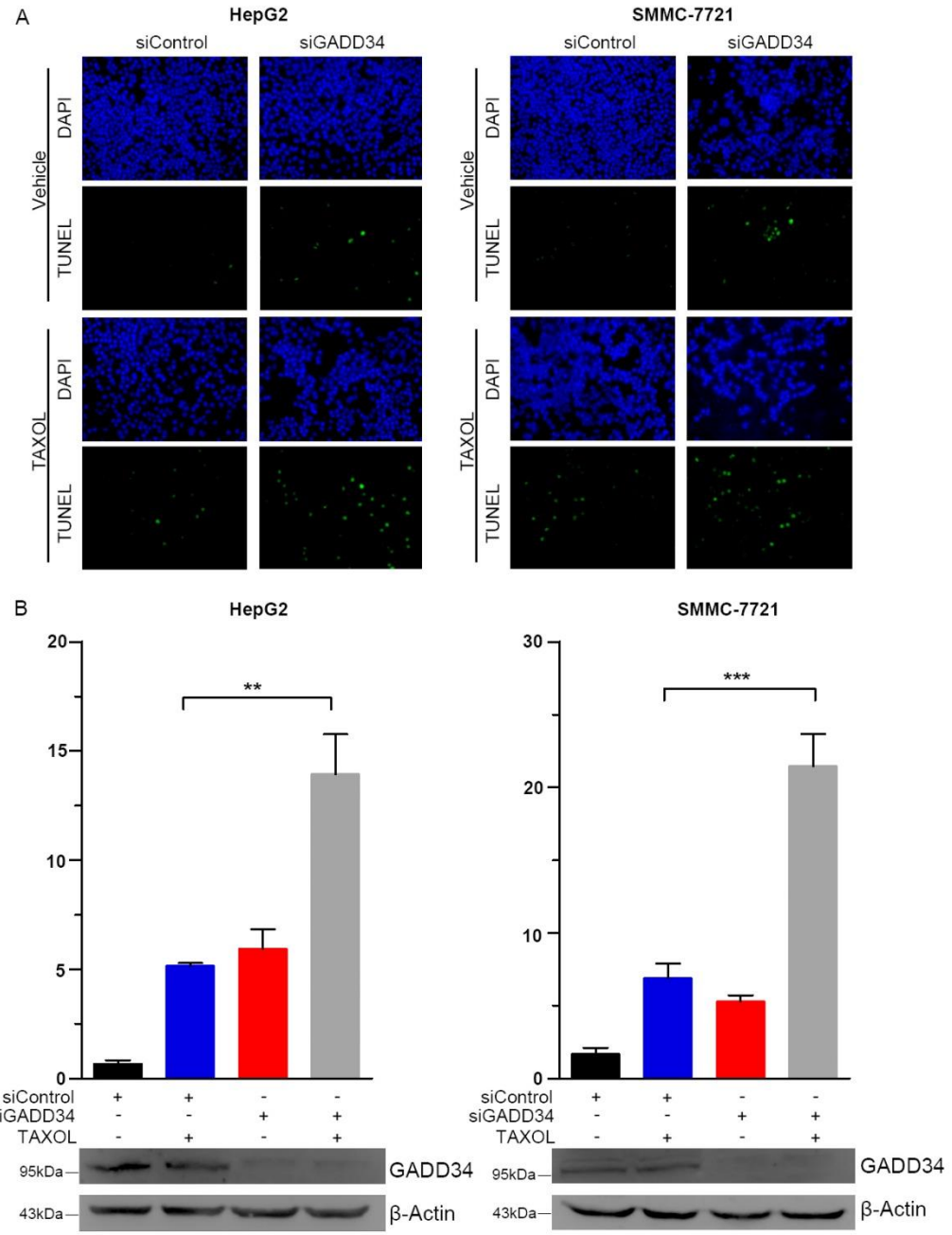

Fig. S2

Supplementary Figure 2. GADD34 knockdown promotes Taxol-induced apoptosis in HepG2 and SMMC-7721 cells. **(A)** HepG2 and SMMC-7721 cells were transfected with siControl or siGADD34, followed by treatment with or without 0.1 μM of Taxol for 12 h. Cell apoptosis was detected by TUNEL assays. **(B)** The apoptotic rate was plotted. Values represent mean ± SD (n = 3). **, $p < 0.01$; ***, $p < 0.001$. The efficiency of GADD34 knockdown was confirmed by western blotting.