



Figure S1. A specific inhibitor of JAK2 upregulated caspase3 expression. (A) Western blotting analysis of caspase3 in SCs after treatment for 96 h. (B) Quantification of western blotting for caspase3. The values are represented as the ratio of caspase3 levels to β -actin ($n=3$). (C) Immunofluorescence staining was used to confirm the change in caspase3 after SCs were treated for 96 h. Bar 100 \times . The results are shown

as the mean \pm SEM, $*P < 0.05$. Lys deficiency: Lys deficiency for 96 h. Lys rescue:
Lys deficiency for 48 h and supplementation with Lys for another 48 h. 25 μ M AG-490:
Lys deficiency for 48 h and supplementation with Lys and 25 μ M AG-490 for 48 h. 50
 μ M AG-490: Lys deficiency for 48 h and supplementation with Lys and 50 μ M AG-
490 for 48 h. 75 μ M AG-490: Lys deficiency for 48 h and supplementation with Lys
and 75 μ M AG-490 for 48 h.