

Expanded View Figures



Figure EV1. Sequence homology of ZRF1 phosphorylation motif across species.
Alignment of amino acid sequences of ZRF1 from different species encompassing the S6K consensus phosphorylation site motif (R/K-X-R/K-X-X-S/T) underlined; the arrow indicates the phosphorylation site.

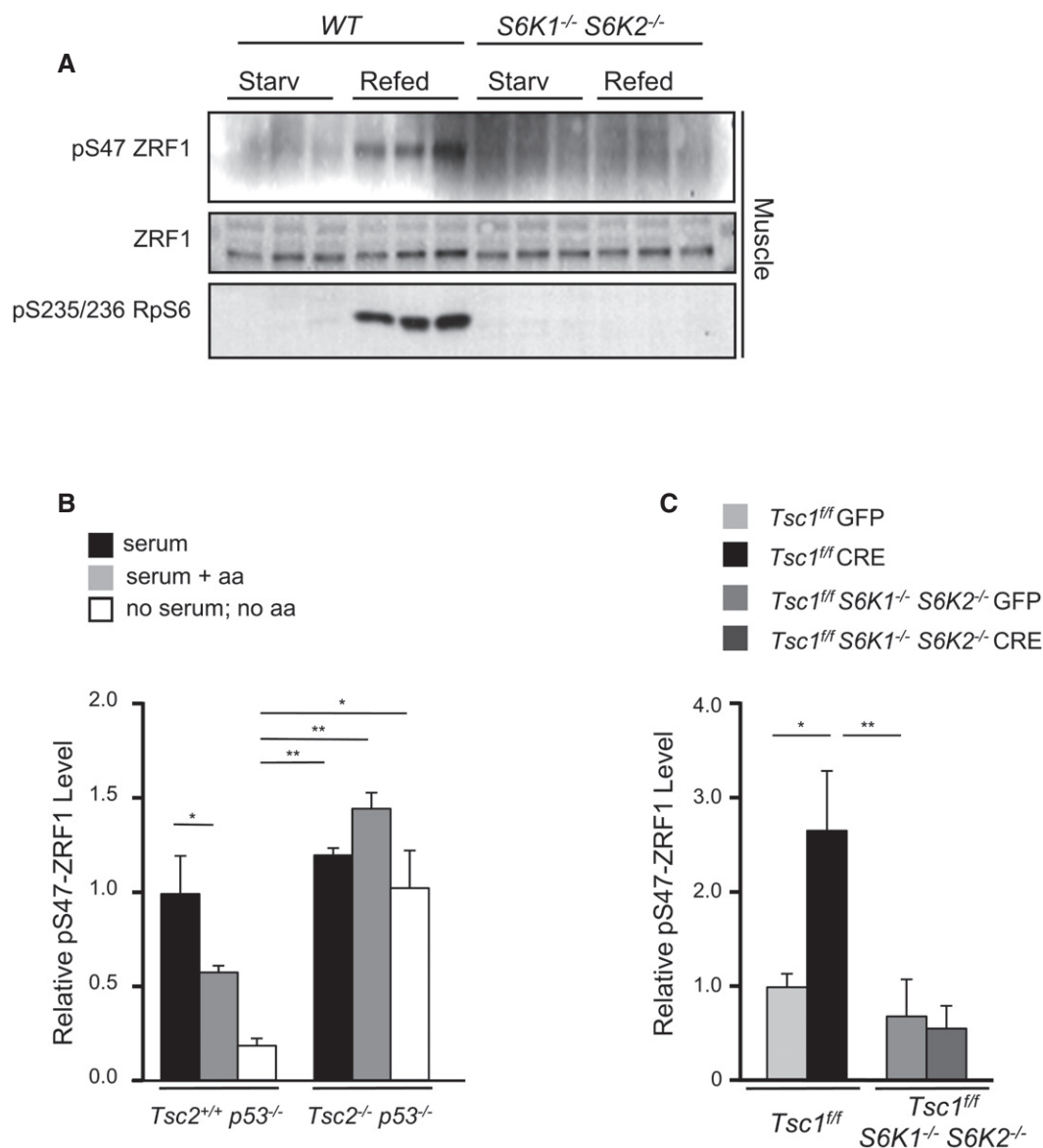


Figure EV2. ZRF1 phosphorylation in tissue and cultured cells.

- A Representative immunoblot analysis of proteins extracted from skeletal muscles of WT and S6K1^{-/-} S6K2^{-/-} mice that were starved overnight or starved overnight and refed for 4 h ($n = 3$ mice for each genotype).
- B, C Densitometric analyses of the blots in Fig 6D and E, respectively. The phosphorylation level of ZRF1 is normalized to tubulin or actin protein level and densitometric results are presented as fold changes relative to the control. Data are reported as mean $\pm$ SEM of $n = 3$; * $P < 0.05$, ** $P < 0.01$, ANOVA multiple comparisons.