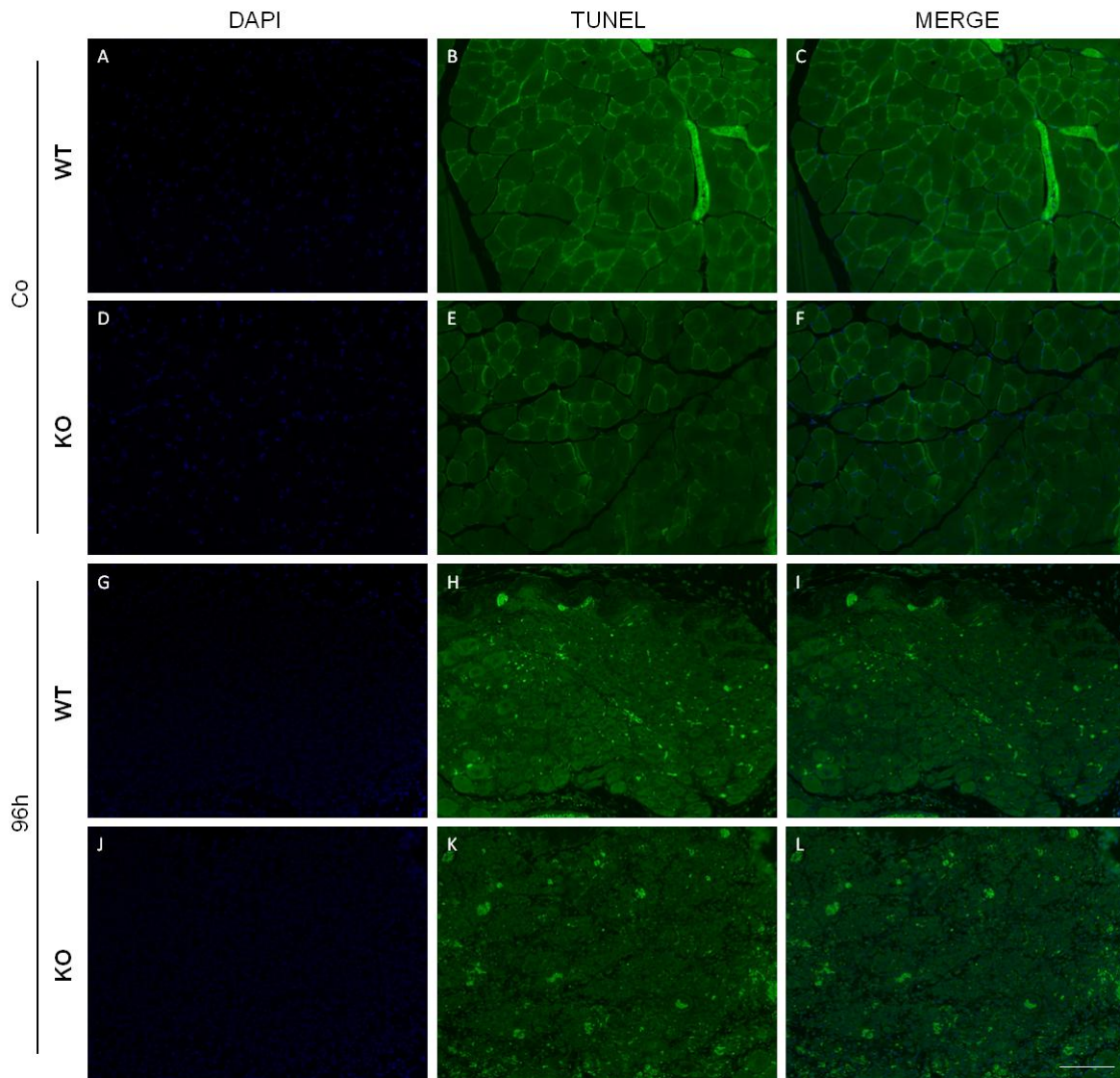


## Supplementary information

# **NRF2 PROTECTS AGAINST TWEAK-MEDIATED SKELETAL MUSCLE WASTING**

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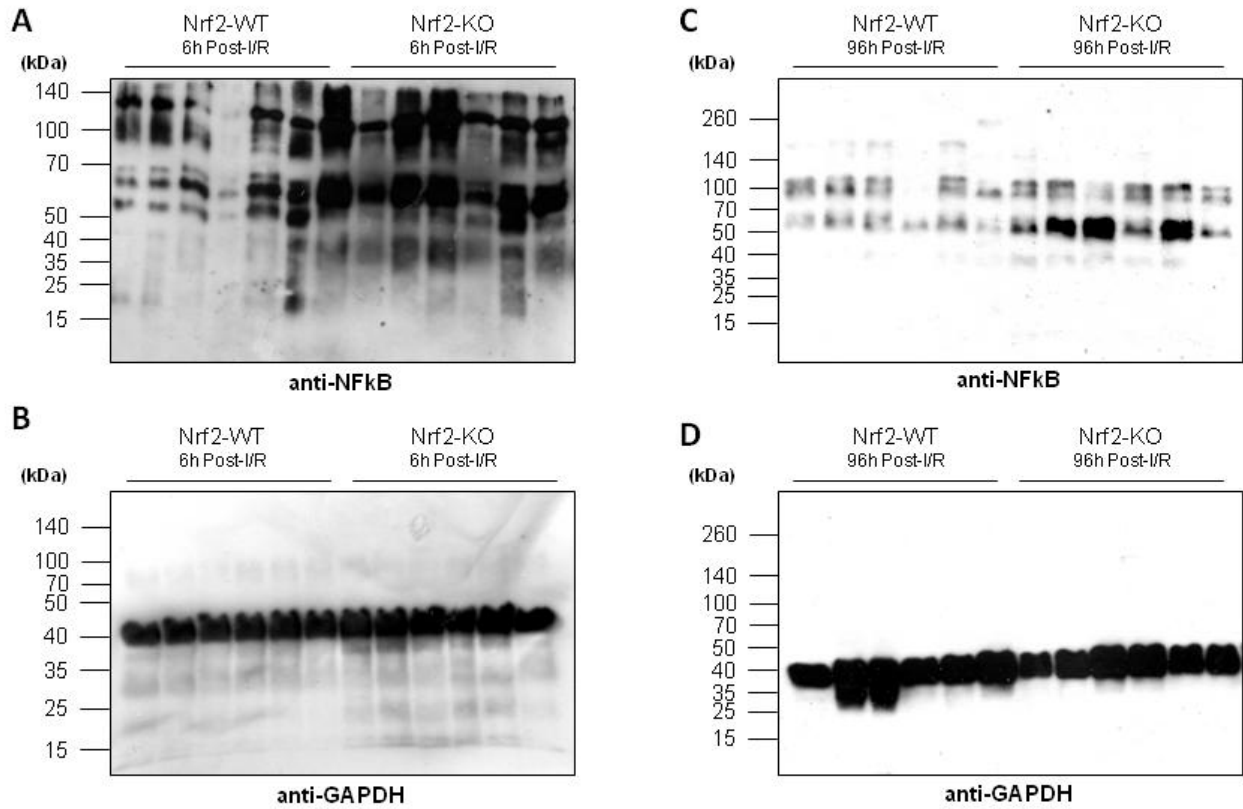


**Figure S1. Healthy and recovering Nrf2-WT and KO mice do not show apoptotic muscle cells.**

A TUNEL Assay was performed to detect apoptotic nuclei on sections of healthy (A-F) Nrf2-WT and KO mice and mice 96h after I/R injury (G-L). In contrast to mice 6h after injury (see Figure 2), no apoptosis can be detected under healthy conditions or during early regeneration 96h after ischemia.

Sections at x200 magnification. Scale bar represent 100 $\mu$ m. Experiments were performed with n=6.

**Nrf2 protects against TWEAK-mediated skeletal muscle wasting**  
*Al-Sawaf et al. (2013)*



**Figure S2. Full-length blots.**

Regions of interest are highlighted in Figure 4E.

Substance	Target	Applied concentration
SB 203580	p38	5 $\mu$ M
PD 98059	ERK	20 $\mu$ M
Wortmannin	PI3K	1 $\mu$ M
SP 600125	JNK	2 $\mu$ M
Ro-31-8220	GRK-5, PKC	10 $\mu$ M

**Table S1. Kinase inhibitors used in this study.**

Substances were applied to C2C12 cells 30 minutes before TWEAK stimulation.