

Supplementary Information for

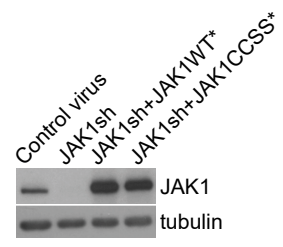
JAK1 palmitoylation by ZDHHC3/7 is Essential for Neuropoietic Cytokine Signaling and DRG Neuron Survival

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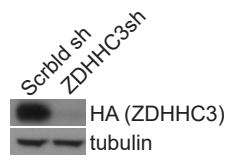
Supplementary Figure Legends:

Figure S1. Confirmation of JAK1 knockdown and rescue and requirement of palmitoylation for CNTF-induced JAK1 signaling. A: Western blots of DRG neuron lysates infected with the indicated lentiviruses. JAK1 shRNA lentivirus greatly reduces JAK1 protein levels, which are rescued by shRNA-resistant JAK1WT or –CCSS (JAK1WT*, JAK1CCSS*). JAK1WT* and JAK1CCSS* express at broadly similar levels.

Figure S2. Confirmation of effective knockdown of cognate targets by *Zdhhc3* and *Zdhhc7* shRNAs. A: HEK293T cells were cotransfected to express HA-tagged rat ZDHHC3 plus either a scrambled shRNA or shRNA against rat *Zdhhc3*. The shRNA greatly reduces ZDHHC3 protein levels and was used for subsequent experiments in neurons. **B:** As A, except that HEK293T cells were cotransfected to express HA-tagged ZDHHC7 plus either a scrambled shRNA or one of four shRNAs against rat *Zdhhc7*. The second of these shRNAs (ZDHHC7shB) most effectively reduced ZDHHC7 protein levels and was used for subsequent experiments in neurons.



A



B

