

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Quantification of TrkB+ neuronal ablation.** Numbers of TrkB and NF200 positive DRG neurons in control and diphtheria toxin treated mice.

File Name: Supplementary Movie 2

Description: **Response to optogenetic activation of the hindpaw after CFA.** Video showing the response of a TrkB^{CreERT2}::Rosa26^{ChR2} mouse before and after injection of CFA.

File Name: Supplementary Movie 3

Description: **Response to optogenetic activation of the hindpaw after SNI.** Light activation evokes strong paw withdrawal 7 days after SNI in TrkB^{CreERT2}::Rosa26^{ChR2} mice, while under baseline conditions, mice do not respond to light.