

Fig. S1

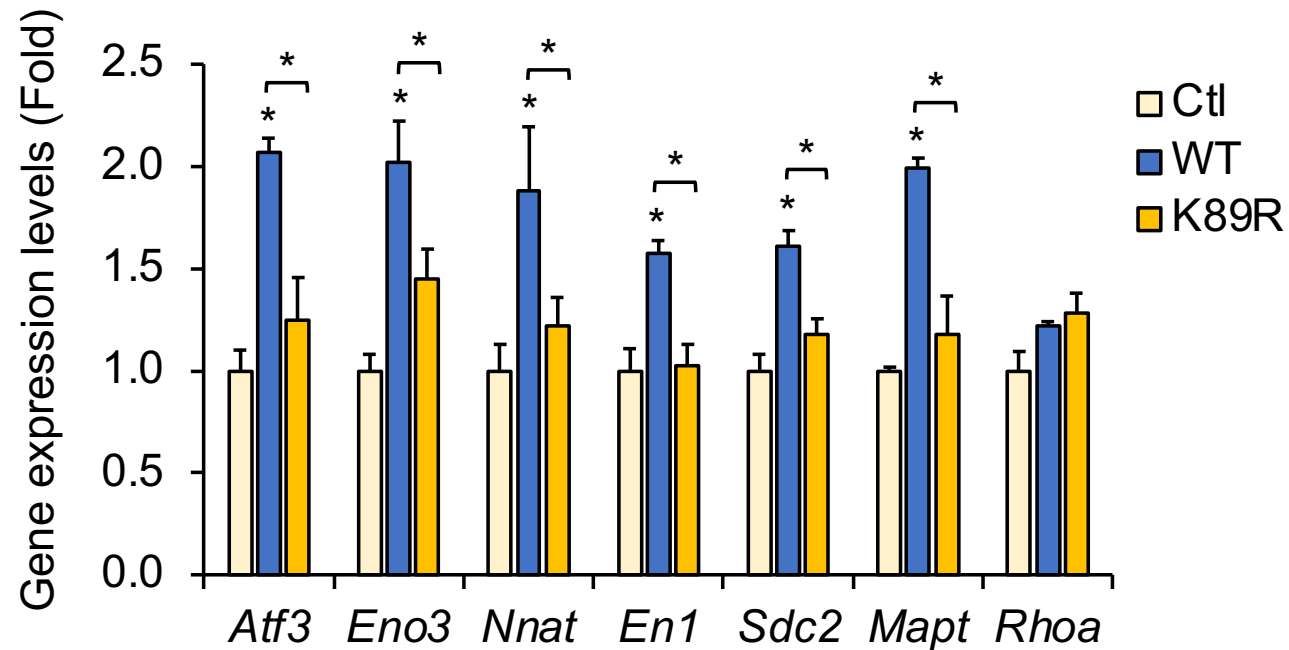


Figure S1. Nor1 SUMOylation at Lys-89 induces target gene expression in neuronal cells

qPCR analysis performed in mouse neuronal HT-22 cells transfected with wild-type or K89R mutated Nor1. Gene expression levels are derived from at least three separate experiments and normalized to RPLP0 expression. Results are expressed as fold response (mean $\pm$ SEM) relative to control cells (Ctrl) set to 1.0 for each gene. *, $P < 0.05$.

Fig. S2

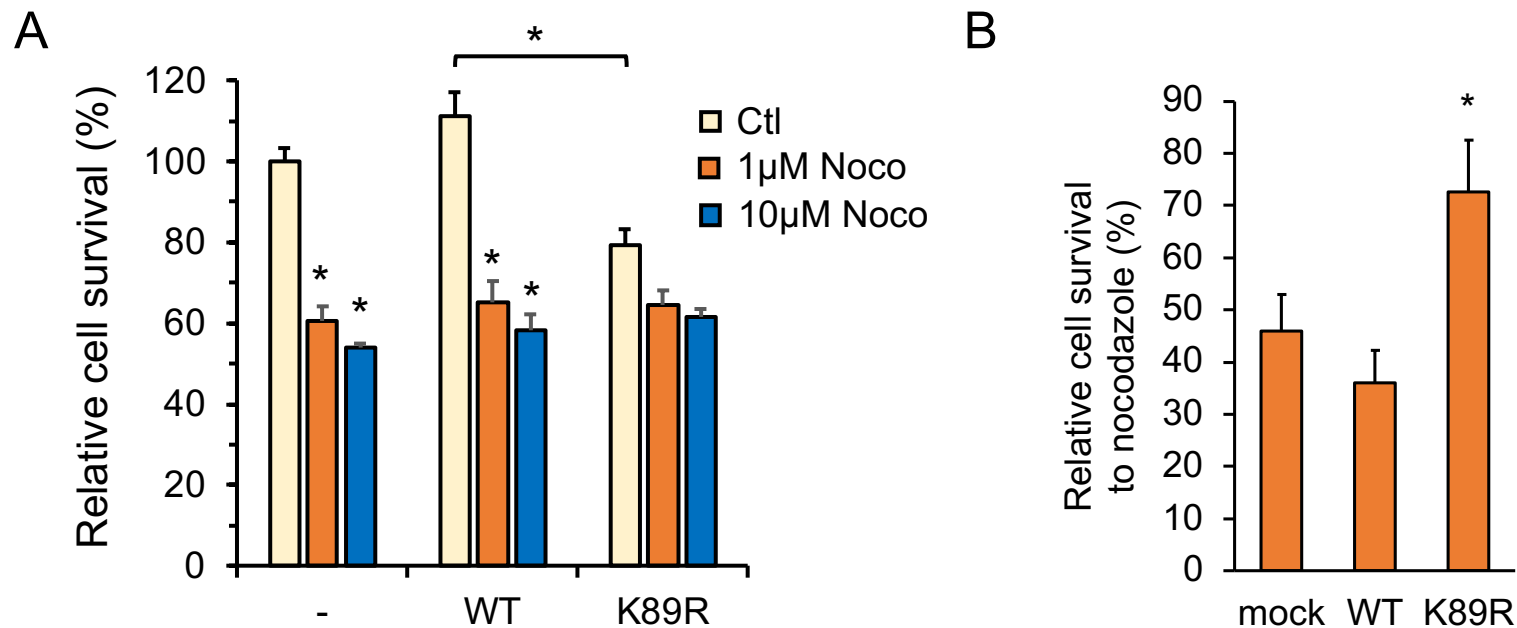


Figure S2. Nor1 Lys-89 SUMOylation affects neuronal cell survival to microtubule disorganization

(A) MTT cell viability assay was performed in Neuro-2A cells expressing wt or K89R Nor1. Cells were treated or not (vehicle) with 1 μ M nocodazole for 6 hours. Values are presented as mean $\pm$ SEM of percent change compared to untreated control (-) cells set at 100%. Results are derived from at least three separate experiments. *, $P < 0.05$. **(B)** Same as in (A) except that SH-SY5Y cells stably expressing wt Nor1 or K89R mutated Nor1 were used and compared to mock-transfected cells. Results represent the mean $\pm$ SEM of percent change relative to each untreated cells. *, $P < 0.05$ vs mock cells.