

Supporting Information

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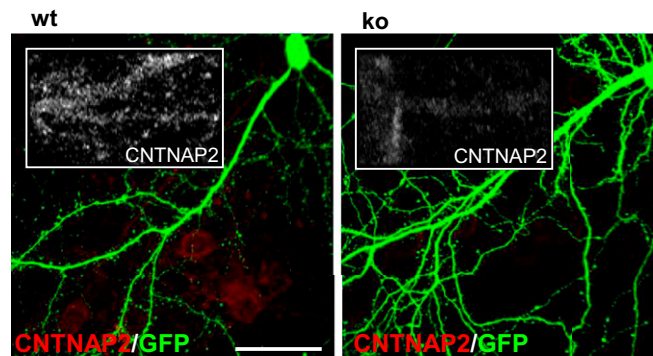


Fig. S1. Cultured cortical pyramidal neurons from wild-type and *Cntnap2*^{-/-} mice. Immunostaining of GFP-expressing cultured 21 DIV wild-type and *Cntnap2*^{-/-} neurons ($n = 11-14$ neurons). *Insets* show CNTNAP2 immunofluorescence.

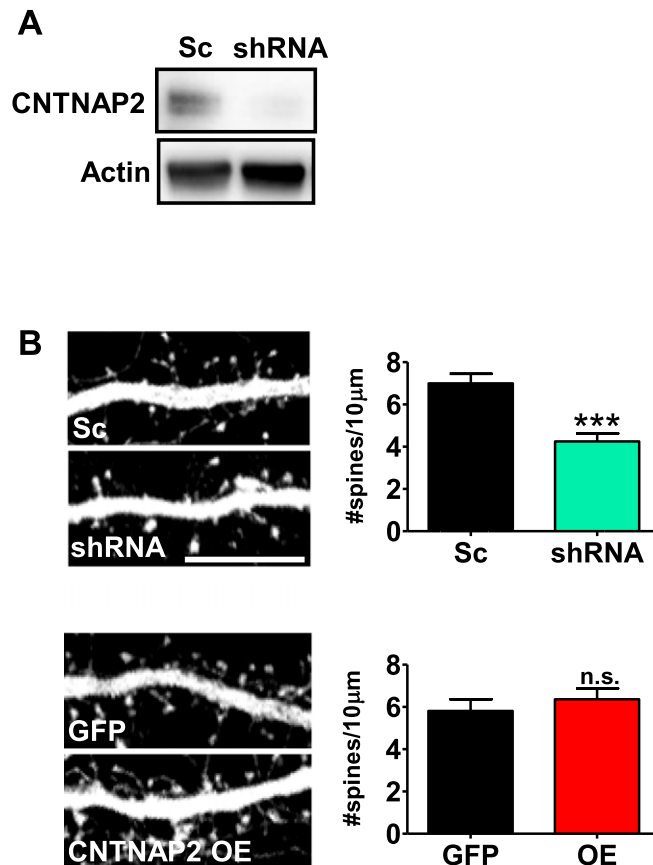


Fig. S2. Effect of CNTNAP2 knockdown and overexpression on spine density. (A) Effectiveness of RNAi to knockdown (KD) CNTNAP2 measured by Western blot. (B) Effects of RNAi-mediated KD and overexpression (OE) of CNTNAP2 in mature 21 DIV neurons. Data shown are means \pm SEM; *** $P < 0.001$ compared with scrambled control (Sc) by Student's unpaired t test.

