



Figure S2. Structural integrity of the NR complex and synaptic localization of components.

(A) Neurons expressing wildtype (wt) or calcium impermeable (R/-) NR1 subunits were stained at DIV 21 for PSD-95 (green) and counterstained for synapsin1 (red). scale bar, 5 μ m.

(B) Analysis of the immunostaining (as in Figure S1) revealed comparable amounts of puncta immunopositive for PSD-95 in both genotypes (per 100 μ m dendrite: wt, 26 ± 2 , n=18; R/-, 28 ± 3 , n=16) that were also colocalized with synapsin1 to a similar percentage (wt, $87 \pm 4\%$, R/-, $92 \pm 4\%$; n=7). For NR2B immuno-positive puncta data were analysed equivalently. Puncta per 100 μ m dendrite: wt, 19 ± 3 , n=4; R/-, 14 ± 2 , n=5. Percent colocalization with PSD-95 positive structures: wt, $76 \pm 4\%$, R/-, $77 \pm 5\%$; n=8. All data are given as mean \pm SEM.