



Figure S1. NR1 surface expression in cultured hippocampal wildtype and NR1(N598R)-mutant neurons.

(A) EGFP-expressing cells of wildtype (NR1^{+/+}) and mutant (NR1^{R/-}) neurons (DIV 14, axial projections of confocal stacks; scale bar: 10 μ m). (B) Surface NR1 is revealed by live anti-panNR1 antibody fluorescence (DIV 21, green). Cells were counterstained for synapsin1 (red) after fixation; details in rectangles are shown underneath; scale bars: 10 μ m in overview and 1 μ m in close-up. (C) Quantitative analysis of anti-NR1 staining: 50-100 μ m stretches of 2-3 dendrites were counted in cells from two separate experiments. NR1^{+/+}, 76 \pm 4%, n=9; NR1^{R/-}, 81 \pm 2%, n=10; mean \pm SEM.