



Figure 3-figure supplement 1. BAPTA-containing pipette in the extracellular space does not affect synaptic responses. (A) Schematic experimental design showing the single synapse stimulation, neuronal recording and BAPTA-containing pipette location. (B) Representative EPSCs before and after different time points placing the BAPTA-containing pipette at the slice (*top*; gray bar) and temporal course of single synapse activity in presence of BAPTA-containing pipette (*bottom*). (C) Average success rate values from different experiments ($n = 10$ synapses). (D) Relative changes of synaptic parameters relative to basal before (black) and after placing BAPTA-containing pipette (gray bars; $n = 10$). Note that absence of synaptic effects after buffering Ca^{2+} into astrocytes were not caused by the leakage of BAPTA in extracellular space and buffering Ca^{2+} , thus reducing transmitter release, because the presence of the BAPTA-containing patch pipette for 30 min in slices did not affect synaptic parameters (Synaptic efficacy, $P = 0.887$; Success rate, $P = 0.938$; Synaptic potency, $P = 0.923$). Error bars indicate SEM.