

Supplemental Figure 1

Localization of glutamate transporters in the neuropil.

Pre-embedding immunocytochemistry in stimulated neuropil showed that GLT1 (upper left panel) and GLAST (upper right panel) immunoreactivity was confined to astrocytic processes (star), shown here surrounding a dendritic spine head (**S**) and axonal bouton (**B**). EAAC1 staining (3 lower panels), however, was confined to the neuronal compartments, particularly dendritic spines (**S**) and dendritic shafts (**DS**), with the astrocytic compartments showing no labelling (star). Micrographs are the same magnification and scale bar is 0.5 μm .

