Supplementary Figure 1  Distribution of GlyRα3 in the adult brain.

(A) GlyRα3 immunoreactivity is observed in all layers of the superior colliculus. Two high power views (top and corresponding bottom panel, ROI*) of two regions of interest (ROI1 and ROI2) are shown. ZO: zonal layer; SuG: superficial grey layer; Op: optic nerve layer; InG: intermediate grey layer; InW: intermediate white layer; DpG: deep grey layer; DpW: deep white layer. (B) GlyRα3 immunolabelling is present in all layers (I-VI) of the parietal cortex. (C) Cells in the molecular layer (ML) and Purkinje cell (PC) of the cerebellum were devoid of labeling. Scattered cells in the granule cell layer (G) were heavily positive for GlyRα3. (D) Scattered cells in the dentate gyrus (DG), CA1 and CA3 regions of the hippocampus were immunoreactive for GlyRα3. In all studied regions labeling was found in both neurons and glial cells. Scale bar: 90µm (A, B); 115µm (C); 60µm (D); 40µm (ROI1,ROI2); 15µm (ROI1*,ROI2*).