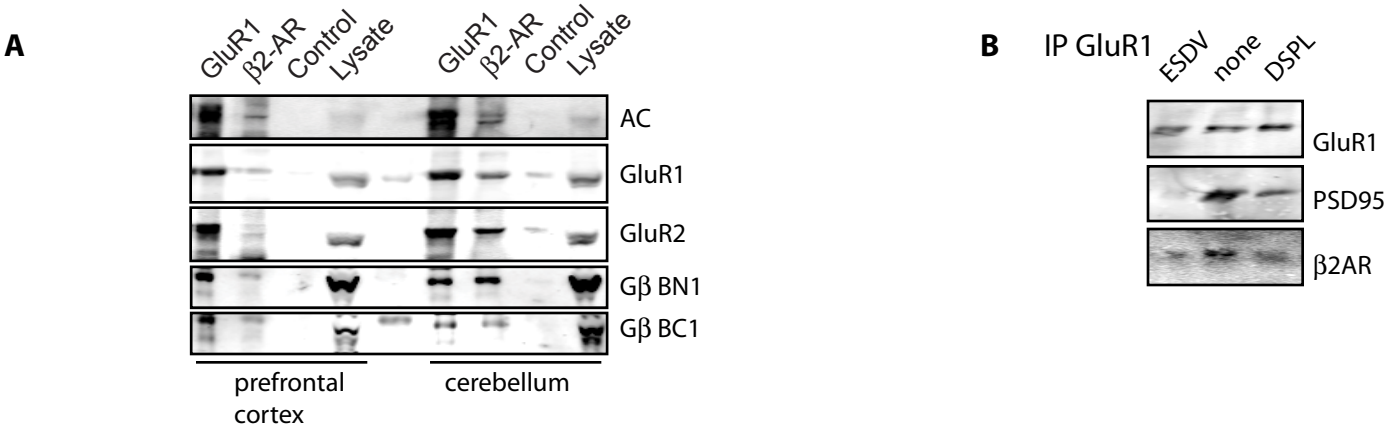
Supplemental Figure 1



Supplemental Figure 1. GluR1 forms a complex with the β2AR, Gs, and adenylyl cyclase in PFC and cerebellum via PDZ interactions. A. Rat PFC and cerebella were extracted with 1 % Triton X-100 before ultracentrifugation, immunoprecipitation with antibodies against GluR1 (lane 1), β2AR (H-20; lane 2), or a nonspecific control IgG (lane 3), followed by immunoblotting for the proteins indicated on the right side. Anti-GluR1 and anti-β2AR specifically precipitated from both sources adenylyl cyclase (AC), GluR1, GluR2, and Gα. Gα was observed with two different antibodies that labeled the N- (BN1) and C-termini (BC1) of Ga1α4 . Extract aliquots containing 500 µg total protein were used for immunoprecipitations and aliquots containing 25 µg protein were loaded directly as positive control for immunoblotting. Similar results were obtained in 2 other experiments. B. Rat forebrain was extracted with 1 % Triton X-100 before ultracentrifugation, incubation with the indicated peptides (10 µM) for 1 hr, immunoprecipitation with antibodies against GluR1, and immunoblotting for the proteins indicated on the right side n = 3 for all experiments.