**Supplementary Fig. 1.  EphA4 interacts with Cdk5 and p35.** HEK 293T cells were transfected with EphA4 and p35 (a) or Cdk5 (b). Cell lysates were immunoprecipitated with EphA4, p35 or Cdk5 antibodies, followed by immunoblotting with antibodies as indicated. Rabbit IgG served as negative control. (c) GST-Cdk5 binds directly with EphA4 recombinant protein. GST fusion proteins of Cdk5 and p25 were incubated with different amounts of EphA4 recombinant proteins. The protein complexes were immunoprecipitated and Western blot analysis for EphA4 was performed. Cytokine binding domain (CBD) or GST proteins served as controls; INP, input protein.