Product Name: Phospho-Glutamate Receptor 1 (AMPA Subtype) (Ser845) Rabbit Polyclonal Antibody

Catalog #: APRab00702

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	Calculated MW: 102 kDa; Observed MW: 102 kDa

Antigen Information

Gene Name	GRIA1
Alternative Names	GRIA1; GLUH1; GLUR1; Glutamate receptor 1; GluR-1; AMPA-selective glutamate receptor 1; GluR-A; GluR-K1; Glutamate receptor ionotropic; AMPA 1; GluA1
Gene ID	2890
SwissProt ID	P42261
Immunogen	A synthetic Phosphorylated peptide corresponding to residues target protein

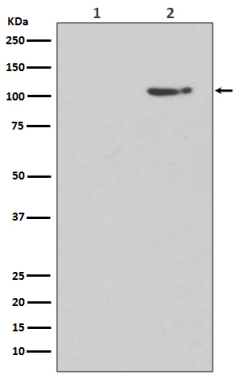
Background

AMPA- (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid), kainate-, and NMDA- (N-methyl-D-aspartate) receptors are the three main families of ionotropic glutamate-gated ion channels. AMPA receptors (AMPARs) are comprised of four subunits (GluR 1-4), which assemble as homo- or hetero-tetramers to mediate the majority of fast excitatory transmissions in the central nervous system. AMPARs are implicated in synapse formation, stabilization, and plasticity.

Research Area

Neuroscience

Image Data



Western blot analysis of Phospho-GluR1 (S845) in (1) Human brain lysates treated with Lambda phosphatase lysates; (2) Human brain lysates using Phospho-Glutamate Receptor 1 (AMPA Subtype) (Ser845) antibody.