GluR1(phospho-Ser836) Antibody

Catalog No: #AB11575

Package Size: #AB11575-1 50ul #AB11575-2 100ul #AB11575-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

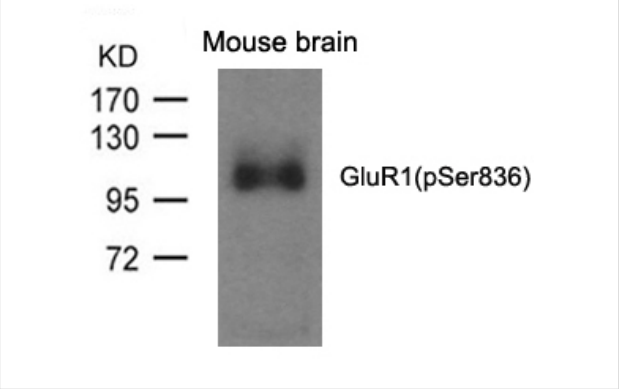
Product Name	GluR1(phospho-Ser836) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of GluR1 only when phosphorylated at serine 836.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 836 (S-E-Sp-K-R) derived from Human GluR1
Target Name	GluR1
Modification	Phospho-Ser836
Other Names	GLR1; GLUH1; GRIA1; GluR-1; GluR-A
Accession No.	Swiss-Prot: P42261NCBI Protein: NP_000818.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 110kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from mouse brain and using GluR1(phospho-Ser836) Antibody #AB11575.

Background

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of a-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Emamian ES, et al. (2004) J Neurosci. 24(7): 1561-4

Palmer, C.L. et al. (2005) Pharmacol. Rev. 57, 253-277.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.