

GluR2 (phospho-Ser880) antibody

Catalog No: #11292

Package Size: #11292-1 50ul #11292-2 100ul

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Description

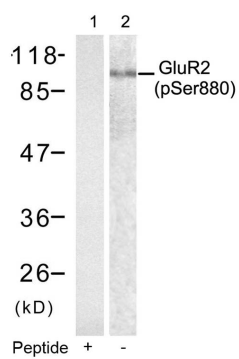
Product Name	GluR2 (phospho-Ser880) antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Glutamate receptor 2 (Precursor) only when phosphorylated at serine 880.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 880 (I-E-S(p)-V-K) derived from Human Glutamate receptor 2.
Target Name	GluR2
Modification	Phospho
Other Names	GRIA2; GluR-2; GluR-B; GluR-K2; AMPA 2
Accession No.	Swiss-Prot: P42262NCBI Protein: NP_000817.2
Uniprot	P42262
GeneID	2891;
SDS-PAGE MW	100kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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: 100kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from mouse brain tissue using Glutamate receptor 2(Precursor)(phospho-Ser880) antibody #11292(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

Background

Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.

Cull-Candy, S. et al. (2006) *Curr. Opin. Neurobiol.* 16, 288-297.

Hanley JG, et al. (2002) *Neuron.* 34(1): 53-67

Note: This product is for in vitro research use only