GluR2 (Ab-880) antibody

Catalog No: #AB21284

Abšci

Package Size: #AB21284-1 50ul   #AB21284-2 100ul   #AB21284-4 25ul

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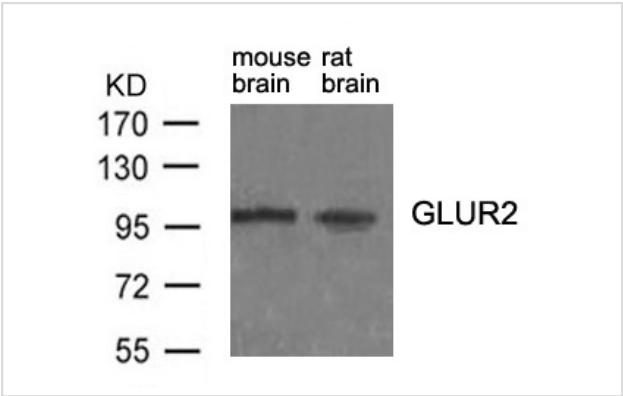
Support: tech@abscitech.com

Description

Product Name	GluR2 (Ab-880) antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Glutamate receptor 2 (Precursor) protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.878~882 (I-E-S-V-K) derived from Human Glutamate receptor 2.
Target Name	GluR2
Other Names	GRIA2; GluR-2; GluR-B; GluR-K2; AMPA 2
Accession No.	Swiss-Prot: P42262NCBI Protein: NP_000817.2
SDS-PAGE MW	100kd
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: 100kd

Western blotting: 1:500~1:1000

Images

Western blot analysis of extracts from mouse brain and rat brain tissue using GluR2 (Ab-880) antibody #AB21284.

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 and is not intended for use in humans or animals.