Product Datasheet

GluR5 Antibody

Catalog No: #33388

Package Size: #33388-1 50ul #33388-2 100ul

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

Description

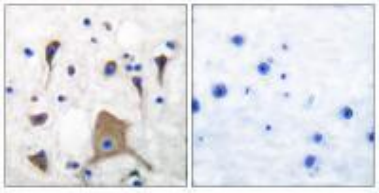
Product Name	GluR5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total GluR5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GluR5.
Target Name	GluR5
Other Names	EAA3; EEA3; GLR5; GLUTAMATE RECEPTOR 5; excitatory amino acid receptor 3
Accession No.	Swiss-Prot: P39086NCBI Gene ID: 2897
Uniprot	P39086
GeneID	2897;
SDS-PAGE MW	100kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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

Application Details

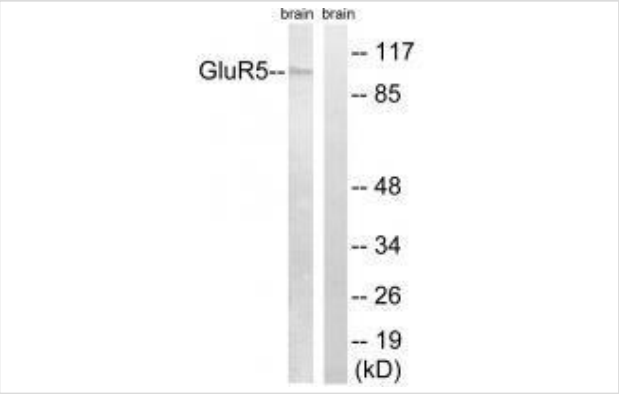
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

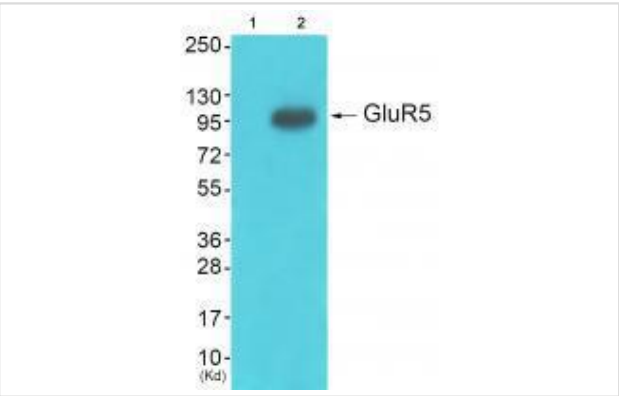
Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using GluR5 antibody #33388.



Western blot analysis of extracts from mouse brain, using GluR5 antibody #33388.



Western blot analysis of extracts from HepG2 cells (Lane 2), using GluR5 antiobdy #33388. The lane on the left is treated with synthesized peptide.

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. May be involved in the transmission of light information from the retina to the hypothalamus.

Ana V. Paternain, J. Neurosci., Jan 2000; 20: 196.

Zhao Ren, J. Biol. Chem., Dec 2003; 278: 52700 - 52709.

MICHAEL A. ROGAWSKI, Ann. N.Y. Acad. Sci., Apr 2003; 985: 150.

Yoshinori Sahara, J. Neurosci., Sep 1997; 17: 6611.

Note: This product is for in vitro research use only