

Rabbit GluR5 Polyclonal Antibody | anti-GluR5 antibody

GluR5 Antibody

CATALOG # AAA306886	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GluR5; Polyclonal Antibody; GluR5 Antibody; EAA3; EEA3; GLR5; GLUTAMATE RECEPTOR 5; excitatory amino acid receptor 3; anti-GluR5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total GluR5 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	918
Applicable Applications for anti-GluR5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GluR5.
Target Name	GluR5
Preparation and Storage	Store at -20 degree C

IMAGES



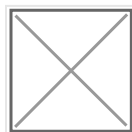
WB (Western Blot)

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



WB (Western Blot)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-GluR5 antibody	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.
Product Categories/Family for anti-GluR5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504117
NCBI GeneID	2897
NCBI Accession #	NP_000821.1
NCBI GenBank Nucleotide #	NM_000830.3
UniProt Accession #	P39086; Q13001; Q86SU9
Molecular Weight	102,631 Da
NCBI Official Full Name	glutamate receptor ionotropic, kainate 1 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, kainate 1
NCBI Official Symbol	GRIK1
NCBI Official Synonym Symbols	EAA3; EEA3; GLR5; GLUR5; GluK1
NCBI Protein Information	glutamate receptor ionotropic, kainate 1
UniProt Protein Name	Glutamate receptor ionotropic, kainate 1
UniProt Gene Name	GRIK1
UniProt Synonym Gene Names	GLUR5; GluK1; EAA3; GluR-5; GluR5
UniProt Entry Name	GRIK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glur5-antibody-immunohistochemistry-western-blot-elisa/306886>