

Rabbit anti-Human GRIK5 Polyclonal Antibody | anti-GRIK5 antibody

GRIK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322729	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

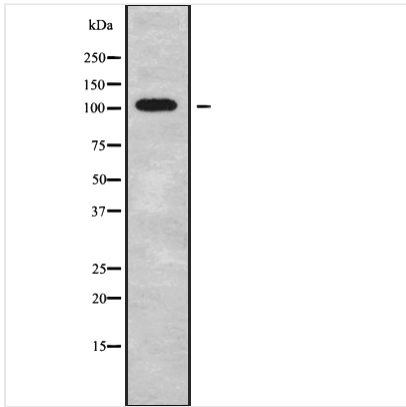
PRODUCT SYNONYMS

GRIK5; Polyclonal Antibody; GRIK5 Antibody; EAA 2; EAA2; Excitatory amino acid receptor 2; GluK5; GluRgamma2; Glutamate receptor; Glutamate receptor KA 2; Glutamate receptor KA-2; Glutamate receptor KA2; ionotropic kainate 5 [Precursor]; ionotropic; kainate 5 (gamma 2); kainate 5; GRIK 2; GRIK 5; GRIK2; Grik5; GRIK5_HUMAN; iGlu5; ionotropic kainate 5; KA2; MGC118086; anti-GRIK5 antibody

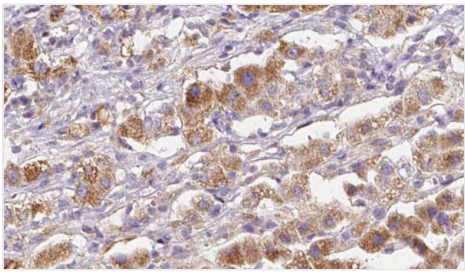
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GRIK5 antibody detects endogenous levels of total GRIK5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	981
Applicable Applications for anti-GRIK5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRIK5
Subcellular Location	Cell Membrane. Cell Junction > Synapse > Postsynaptic Cell Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis GRIK5 using HepG2 whole cell lysates



IHC (Immunohistochemistry)
AAA322729 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIK5 antibody	Function: Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists. This receptor binds kainate > quisqualate > domoate > L-glutamate > > AMPA > > NMDA = 1S, 3R-ACPD. Subunit Structure: Tetramer of two or more different subunits. Associates with GRIK1 (both edited and unedited versions), GRIK2, or GRIK3 to form functional channels. Homomeric associations do not produce any channel activity (By similarity). Similarity: Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIK5 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	666335645
NCBI GeneID	2901
NCBI Accession #	NP_001287959.1
NCBI GenBank Nucleotide #	NM_001301030.1
UniProt Accession #	Q16478; Q8WWG8
Molecular Weight	Observed: 109 kDa Predicted: 110 kDa
NCBI Official Full Name	glutamate receptor ionotropic, kainate 5 isoform 1
NCBI Official Synonym Full Names	glutamate ionotropic receptor kainate type subunit 5
NCBI Official Symbol	GRIK5
NCBI Official Synonym Symbols	KA2; EAA2; GRIK2; GluK5
NCBI Protein Information	glutamate receptor ionotropic, kainate 5
UniProt Protein Name	Glutamate receptor ionotropic, kainate 5
UniProt Gene Name	GRIK5
UniProt Synonym Gene Names	GRIK2; GluK5; EAA2; KA2

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.