

Rabbit Glutamate receptor ionotropic, kainate 1 Polyclonal Antibody | anti-GRIK1 antibody

Anti-GRIK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46092	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Glutamate receptor ionotropic; kainate 1; Polyclonal Antibody; Anti-GRIK1 Antibody; EAA3 antibody; EEA3 antibody; Excitatory amino acid receptor 3 antibody; GLR5 antibody; GluR-5 antibody; GluR5 antibody; GluR6 antibody; GluR7 antibody; Glutamate receptor 5 antibody; Glutamate receptor antibody; Glutamate receptor ionotropic kainate 1 antibody; GRIK1 antibody; GRIK1_HUMAN antibody; Human glutamate receptor GLUR5 antibody; ionotropic kainate 1 antibody; OTTHUMP00000096569 antibody; glutamate receptor; ionotropic; anti-GRIK1 antibody

PRODUCT SPECIFICATIONS

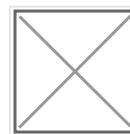
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	918
Applicable Applications for anti-GRIK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	0.2mL of distilled water will yield a concentration of 500ug/mL.
Immunogen	E.coli-derived human GRIK1 recombinant protein (Position: R271-I450). Human GRIK1 shares 88% and 94% amino acid (aa) sequences identity with mouse and rat GRIK1, respectively.
Relevant Detection Systems	The lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (please inquire) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (please inquire) for IHC(P).
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- GRIK1 antibody, AAA46092, Western blottingAll lanes: Anti GRIK1 (AAA46092) at 0.5ug/mL
Lane 1: Mouse Brain Tissue Lysate at 50ug
Lane 2: Mouse Brain Tissue Lysate at 50ug
Lane 3: SHG Whole Cell Lysate at 40ug
Predicted bind size: 104KD
Observed bind size: 104KD



WB (Western Blot)

Anti- GRIK1 antibody, AAA46092, Western blottingAll lanes: Anti GRIK1 (AAA46092) at 0.5ug/mL
WB: Recombinant Human GRIK1 Protein 0.5ng
Predicted bind size: 40KD
Observed bind size: 40KD

ADDITIONAL INFORMATION

Related Product Information for anti-GRIK1 antibody	Background: Glutamate receptor, ionotropic, kainate 1, also known as GLUR5, is a protein that in humans is encoded by the GRIK1 gene. It is mapped to 21q21.3. This gene encodes one of the many ionotropic glutamate receptor (GluR) subunits that function as a ligand-gated ion channel. The specific GluR subunit encoded by this gene is of the kainate receptor subtype. Receptor assembly and intracellular trafficking of ionotropic glutamate receptors are regulated by RNA editing and alternative splicing. These receptors mediate excitatory neurotransmission and are critical for normal synaptic function. Exons of this gene are interspersed with exons from the C21orf41 gene, which is transcribed in the same orientation as this gene but does not seem to encode a protein.
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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
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; gluR-5; glutamate receptor 5; excitatory amino acid receptor 3
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.