

Rabbit GriK1 Polyclonal Antibody | anti-GRIK1 antibody

Grik1 Antibody

CATALOG # AAA39969	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Grik1; Polyclonal Antibody; Grik1 Antibody; EAA3; EEA3; GLR5; GLUR5; GluK1; Glutamate receptor ionotropic; kainate 1; Excitatory amino acid receptor 3; glutamate receptor; ionotropic; anti-GRIK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Grik1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	918
Applicable Applications for anti-GRIK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Grik1 antibody was raised against a 16 amino acid synthetic peptide near the center of the human Grik1.
Buffer	Grik1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Grik1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



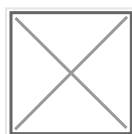
IF (Immunofluorescence)

Immunofluorescence of Grik1 in Human Brain cells with Grik1 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemical staining of human brain tissue using Grik1 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of Grik1 in rat brain tissue lysate with Grik1 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIK1 antibody	Grik1 Antibody: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. Grik1, also known as glutamate receptor 5, belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. Grik1 is expressed in GABAergic interneurons of the hippocampus and are thought to participate in the formation of various subtypes of kainate receptors with Grik2 and KA2. Stimulation of Grik1 leads to intracellular calcium release and activation of protein kinase C. Excessive activation has been associated with psychiatric, neurological and neurodegenerative diseases. Numerous isoforms of Grik1 are known to exist and may be subject to RNA editing within the second transmembrane domain, which is thought to alter the properties of ion flow.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	729597
NCBI GeneID	2897
UniProt Accession #	P39086; Q13001; Q86SU9
Molecular Weight	102,631 Da
NCBI Official Full Name	Glutamate receptor ionotropic, kainate 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.