

Rabbit anti-Human, Mouse Grik1 Polyclonal Antibody | anti-GRIK1 antibody

Grik1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10916	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

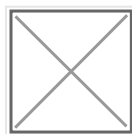
PRODUCT SYNONYMS

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

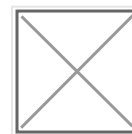
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Grik1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; Grik1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	918
Applicable Applications for anti-GRIK1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Grik1 antibody can be used for detection of Grik1 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.
Immunogen	Grik1 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of the human Grik1. The immunogen is located within the last 50 amino acids of Grik1.
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 mouse brain tissue with Grik1 Antibody at 20 ug/mL. Green: Grik1 antibody (AAA10916) Red: Phalloidin staining Blue: DAPI staining



IF (Immunofluorescence)

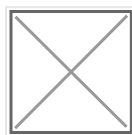
Immunofluorescence of Grik1 in mouse brain tissue with Grik1 Antibody at 20 ug/mL. Green: Grik1 antibody (4381) Red: Phalloidin staining Blue: DAPI staining

**IHC (Immunohistochemistry)**

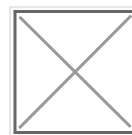
Immunohistochemistry of Grik1 in mouse brain tissue with Grik1 Antibody at 5 μg/mL.

**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)**

Grik1 Antibody

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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/grik1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10916>