

Rabbit GriK5 Polyclonal Antibody | anti-GRIK5 antibody

Grik5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39508	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

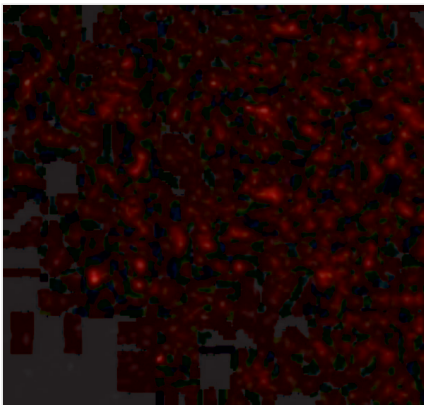
PRODUCT SYNONYMS

Grik5; Polyclonal Antibody; Grik5 Antibody; KA2; EAA2; GRIK2; GluK5; Glutamate receptor ionotropic; kainate 5; Excitatory amino acid receptor 2; glutamate receptor; ionotropic; anti-GRIK5 antibody

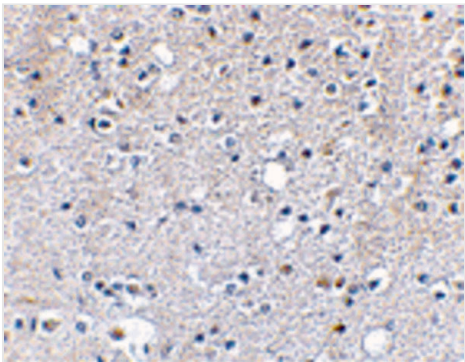
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This Grik5 antibody does not cross-react with Grik4.
Purity/Purification	Grik5 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	980
Applicable Applications for anti-GRIK5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Grik5 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human Grik5.
Buffer	Grik5 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Grik5 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.

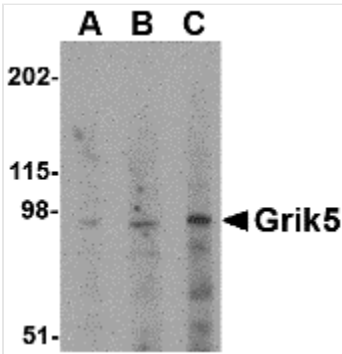
IMAGES



IF (Immunofluorescence)
Immunofluorescence of Grik5 in Human Brain cells with Grik5 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemical staining of human brain tissue using Grik5 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of Grik5 in human brain tissue lysate with Grik5 antibody at (A) 0.5, (B) 1 and (C) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIK5 antibody	Grik5 Antibody: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. Grik5, also known as kainate-preferring glutamate recptor subunit KA2, belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. Grik5 is highly homologous to the related ionotropic glutamate receptor Grik4 (also known as KA1). Like Grik4, Grik5 does not form homomeric channels, but instead forms heteromers with Grik2. In Grik2- but not Grik1-null mice, Grik5 surface expression is greatly reduced in neurons, indicating that Grik2/Grik5 heteromers are required for exit from the endoplasmic reticulum to the cell surface.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	29029597
NCBI GeneID	2901
NCBI Accession #	NP_002079
NCBI GenBank Nucleotide #	NM_002088.4
UniProt Accession #	Q16478; Q8WWG8
Molecular Weight	109,658 Da
NCBI Official Full Name	glutamate receptor ionotropic, kainate 5 isoform 2
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, kainate 5
NCBI Official Symbol	GRIK5

NCBI Official Synonym Symbols	KA2; EAA2; GRIK2; GluK5
NCBI Protein Information	glutamate receptor ionotropic, kainate 5; glutamate receptor KA2; excitatory amino acid receptor 2
UniProt Protein Name	Glutamate receptor ionotropic, kainate 5
UniProt Gene Name	GRIK5
UniProt Synonym Gene Names	GRIK2; GluK5; EAA2; KA2
UniProt Entry Name	GRIK5_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/grik5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39508>