

Rabbit GRIK3 Polyclonal Antibody | anti-GRIK3 antibody

GRIK3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284374	Rabbit	Mouse (Predicted Reactivity: Monkey, Rat)	Immunohistochemistry, ELISA, Western Blot

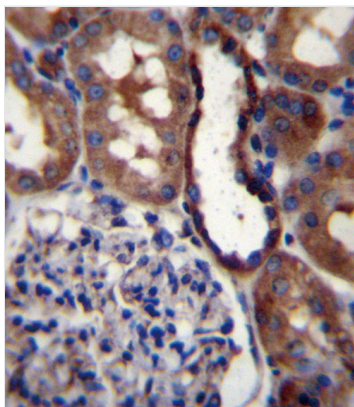
PRODUCT SYNONYMS

GRIK3; Polyclonal Antibody; GRIK3 Antibody (N-term); Glutamate receptor ionotropic; kainate 3; GluK3; Excitatory amino acid receptor 5; EAA5; Glutamate receptor 7; GluR-7; GluR7; GLUR7; anti-GRIK3 antibody

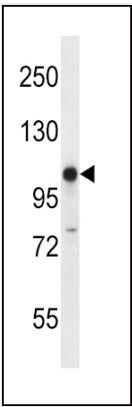
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Monkey, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRIK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-98 amino acids from the N-terminal region of human GRIK3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	70-98
Sequence Length	872
Applicable Applications for anti-GRIK3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
GRIK3 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GRIK3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GRIK3 Antibody (N-term) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the GRIK3 antibody detected the GRIK3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GRIK3 antibody	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq].
Product Categories/Family for anti-GRIK3 antibody	Neuroscience; Signal Transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Luciano, M., et al. Behav. Genet. 40(4):518-532(2010) Kilic, G., et al. Psychiatry Res 175 (1-2), 43-46 (2010) : Gill, M.B., et al. J. Biol. Chem. 284(21):14503-14512(2009) Ahmad, Y., et al. World J. Biol. Psychiatry 10(4):330-333(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28605145
NCBI GeneID	2899
NCBI Accession #	NP_000822.2
NCBI GenBank Nucleotide #	NM_000831.3
UniProt Accession #	Q13003; Q13004; Q16136; A9Z1Z8; B1AMS6
Molecular Weight	104037
NCBI Official Full Name	glutamate receptor ionotropic, kainate 3
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, kainate 3
NCBI Official Symbol	GRIK3

NCBI Official Synonym Symbols	EAA5; GLR7; GLUR7; GluK3; GluR7a
NCBI Protein Information	glutamate receptor ionotropic, kainate 3
UniProt Protein Name	Glutamate receptor ionotropic, kainate 3
UniProt Gene Name	GRIK3
UniProt Synonym Gene Names	GLUR7; GluK3; EAA5; GluR-7; GluR7
UniProt Entry Name	GRIK3_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/grik3-antibody-immunohistochemistry-western-blot-elisa/284374>