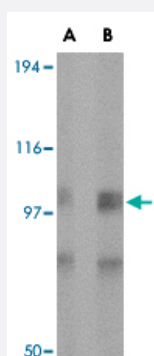


GRIK1 polyclonal antibody

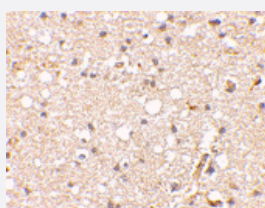
Catalog # PAB13312 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of GRIK1 in rat brain tissue lysate with GRIK1 polyclonal antibody (Cat # PAB13312) at (A) 0.5 and (B) 1 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain tissue using GRIK1 polyclonal antibody (Cat # PAB13312) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRIK1.
Immunogen	A synthetic peptide corresponding to internal region 16 amino acids of human GRIK1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of GRIK1 in rat brain tissue lysate with GRIK1 polyclonal antibody (Cat # PAB13312) at (A) 0.5 and (B) 1 ug/mL .

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Immunohistochemical staining of human brain tissue using GRIK1 polyclonal antibody (Cat # PAB13312) at 2.5 ug/mL .

Gene Info — GRIK1

Entrez GeneID	2897
Protein Accession#	P39086
Gene Name	GRIK1
Gene Alias	EAA3, EEA3, GLR5, GLUR5
Gene Description	glutamate receptor, ionotropic, kainate 1
Omim ID	138245
Gene Ontology	Hyperlink
Gene Summary	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. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000096569 excitatory amino acid receptor 3 glutamate receptor 5

Publication Reference

- [Kainate receptors.](#)

Pinheiro P, Mulle C.

Cell and Tissue Research 2006 Jul; 326(2):457.

- [A mosaic of functional kainate receptors in hippocampal interneurons.](#)

Christensen JK, Paternain AV, Selak S, Ahring PK, Lerma J.

Journal of Neuroscience 2004 Oct; 24(41):8986.

Application: WB-Ti, Mouse, Mouse hippocampal homogenates

- [Kainate receptor-mediated responses in the CA1 field of wild-type and GluR6-deficient mice.](#)

Bureau I, Bischoff S, Heinemann SF, Mulle C.

The Journal of Neuroscience 1999 Jan; 19(2):653.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)

- [Alcoholism](#)

- [Cognition](#)

- [Depressive Disorder](#)

- [Disease Models](#)

- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)

- [Mental Disorders](#)

- [Schizophrenia](#)

- [Tobacco Use Disorder](#)