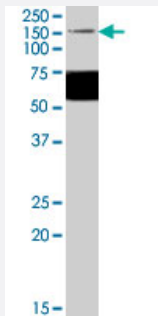


GRIK1 polyclonal antibody

Catalog # PAB7354 Size 100 ug

Applications



Western Blot (Tissue lysate)

GRIK1 polyclonal antibody (Cat # PAB7354) (1 ug/mL) staining of human brain (cerebellum) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GRIK1.
Immunogen	A synthetic peptide corresponding to human GRIK1.
Sequence	QCKQTHPTNSTS
Host	Goat
Theoretical MW (kDa)	104, 103
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms according to NP_000821.1 and NP_783300.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:8000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — GRIK1

Entrez GeneID	2897
Protein Accession#	NP_000821.1;NP_783300.1
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

- [SUMOylation regulates kainate-receptor-mediated synaptic transmission.](#)

Martin S, Nishimune A, Mellor JR, Henley JM.

Nature 2007 May; 447(7142):321.

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](#)