

Datasheet for ABIN499932
anti-GRIK5 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	GRIK5
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Grik5 antibody was raised against a 17 amino acid peptide near the carboxy terminus of the human Grik5.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GRIK5
Alternative Name:	Glutamate Receptor KA2 / GRIK5 (GRIK5 Products)
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. Grik5,

Target Details

also known as kainate-preferring glutamate receptor 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. This Grik5 antibody does not cross-react with Grik4. Synonyms: EAA2, Excitatory amino acid receptor 2, Glutamate receptor ionotropic kainate 5

Gene ID: 2901

NCBI Accession: [NP_002079](#)

UniProt: [Q16478](#)

Pathways: [Carbohydrate Homeostasis](#), [Synaptic Membrane](#), [Maintenance of Protein Location](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

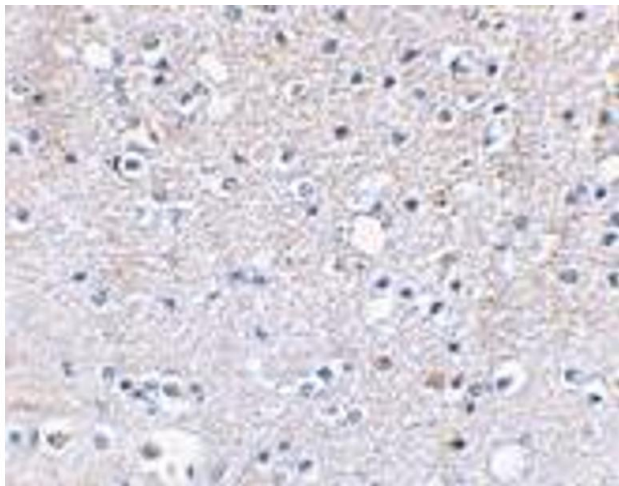
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

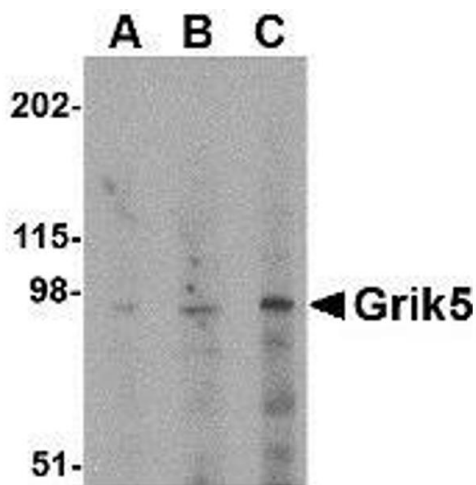
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30386PU-N Grik5 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Grik5 in human brain tissue lysate with AP30386PU-N Grik5 antibody at (A) 0.5, (B) 1 and (C) 2 µg/ml.