

Datasheet for ABIN7267415
anti-GRIK2 antibody

5 Images



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Overview

Quantity:	100 µL
Target:	GRIK2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GRIK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	GRIK2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human GRIK2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GRIK2
Alternative Name:	GRIK2 (GRIK2 Products)
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the

Target Details

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 at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation. [provided by RefSeq, Jul 2008],EAA4, GLR6, GLUK6, GLUR6, GluK2, MRT6,Apoptosis,Cell Biology & Developmental Biology,G protein signaling,G protein signaling_G-Protein-Coupled Receptors(GPCR),Neuroscience,Signal Transduction,GRIK2

Molecular Weight: 103kDa

Gene ID: 2898

UniProt: [Q13002](#)

Pathways: [Synaptic Membrane](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

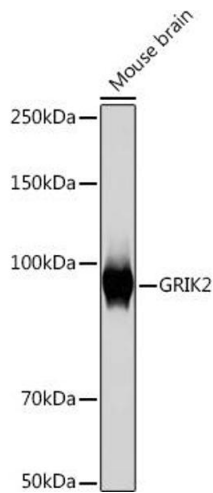
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

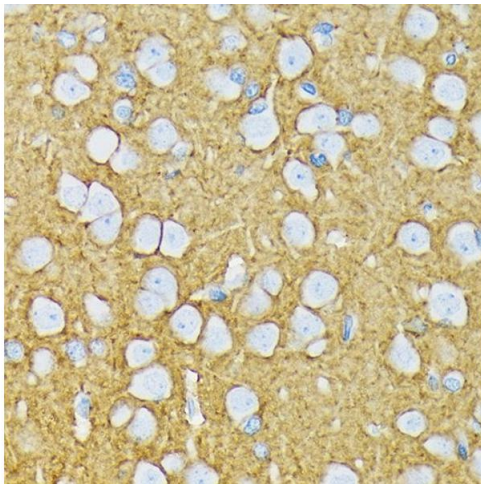
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



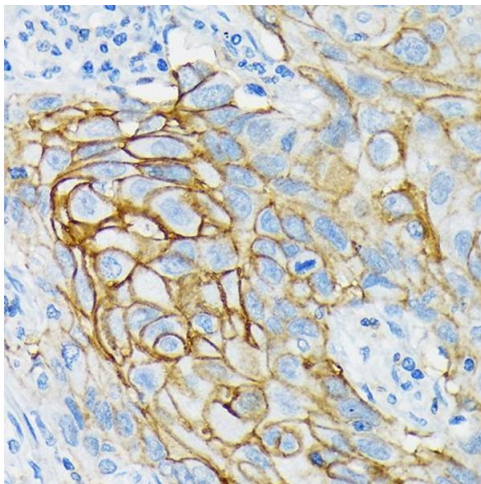
Western Blotting

Image 1. Western blot analysis of extracts of Mouse brain, using GRIK2 Rabbit mAb (ABIN7267415) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded rat brain using GRIK2 Rabbit mAb (ABIN7267415) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung cancer using GRIK2 Rabbit mAb (ABIN7267415) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7267415.