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Datasheet for ABIN5611163
anti-GRIA2 antibody (AA 35-175)

5 Images

Overview

Quantity:	0.1 mg
Target:	GRIA2
Binding Specificity:	AA 35-175
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRIA2 (AA: 35-175) expressed in E. coli.
Clone:	7A7A3
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	GRIA2
Alternative Name:	GRIA2 (GRIA2 Products)
Background:	Description: 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 a family of glutamate receptors that are sensitive to alpha-amino-3-

Target Details

hydroxy-5-methyl-4-isoxazole propionate (AMPA), and function as ligand-activated cation channels. These channels are assembled from 4 related subunits, GRIA1-4. The subunit encoded by this gene (GRIA2) is subject to RNA editing (CAG->CGG, Q->R) within the second transmembrane domain, which is thought to render the channel impermeable to Ca(2+). Human and animal studies suggest that pre-mRNA editing is essential for brain function, and defective GRIA2 RNA editing at the Q/R site may be relevant to amyotrophic lateral sclerosis (ALS) etiology. Alternative splicing, resulting in transcript variants encoding different isoforms, (including the flip and flop isoforms that vary in their signal transduction properties), has been noted for this gene.

Aliases: GLUR2, GLURB, GluA2, HBGR2, GluR-K2

Molecular Weight: 99 kDa

Gene ID: 2891

HGNC: 2891

Pathways: [PI3K-Akt Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

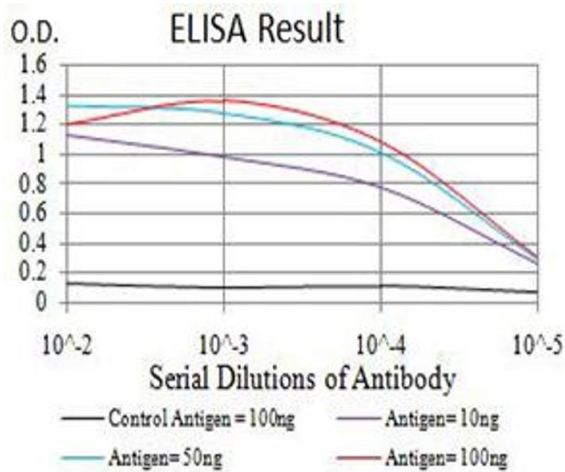
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

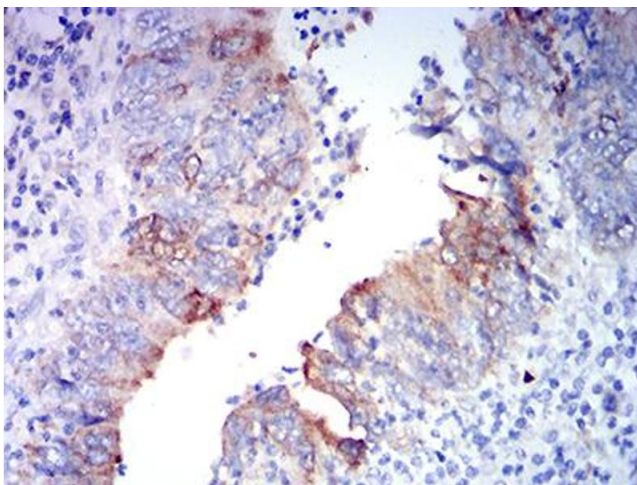
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



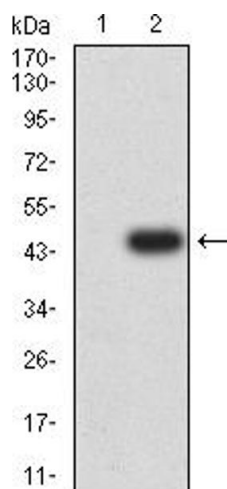
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using GRIA2 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using GRIA2 mAb against HEK293 (1) and GRIA2 (AA: 35-175)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5611163.