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Datasheet for ABIN3031063
anti-GRIA4 antibody (AA 176-350)

2 Images

Overview

Quantity:	100 µg
Target:	GRIA4
Binding Specificity:	AA 176-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIA4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Human partial recombinant protein (AA 176-350) was used as the immunogen for this GLUR4 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	GRIA4
Alternative Name:	GLUR4 (Glutamate Receptor 4) (GRIA4 Products)
Background:	Glutamate receptor 4 also named GRIA4 or GLUR4, is a protein that in humans is encoded by the GRIA4 gene. It is mapped to 11q22.3. This gene is a member of a family of L-glutamate-gated ion channels that mediate fast synaptic excitatory neurotransmission. These channels

Target Details

are also responsive to the glutamate agonist, alpha-amino-3-hydroxy-5-methyl-4-isoxazolpropionate (AMPA). Some haplotypes of this gene show a positive association with schizophrenia. Additionally, glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels.

Gene ID: 2893

Pathways: [PI3K-Akt Signaling](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the GLUR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the GLUR4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of GLUR4 antibody and Lane 1: rat brain; 2: mouse brain lysate. Predicted/observed size ~101KD



Western Blotting

Image 2. Western blot testing of GLUR4 antibody and Lane 1: rat brain