Datasheet for ABIN952534

anti-GRIA4 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	GRIA4
Binding Specificity:	AA 262-291, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 262-291 amino acids from the Central region of Human Glutamate receptor 4 / GLUR4. Genename: GRIA4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Glutamate receptor 4 / GLUR4 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GRIA4
Alternative Name:	Glutamate Receptor 4 / GLUR4 (GRIA4 Products)

Target Details

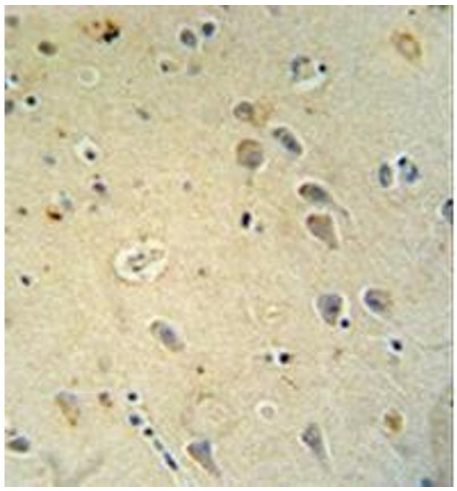
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA, R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia. [provided by RefSeq].Synonyms: AMPA-selective glutamate receptor 4, GRIA4, GluA4, GluR-4, GluR-D, Glutamate receptor ionotropic AMPA4
Molecular Weight:	100871 Da
Gene ID:	2893
NCBI Accession:	NP_000820
Pathways:	PI3K-Akt Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

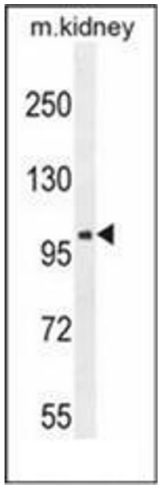
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with Glutamate receptor 4 / GLUR4 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of Glutamate receptor 4 / GLUR4 Antibody (Center) in mouse kidney tissue lysates (35ug/lane).