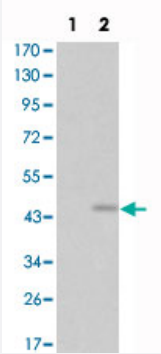
GRIA3 monoclonal antibody, clone 1D2

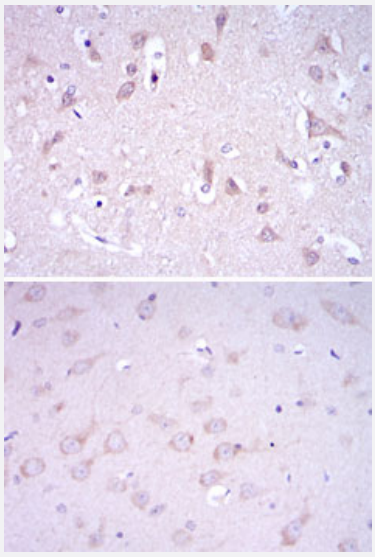
Catalog # MAB10670 Size 100 uL

Applications



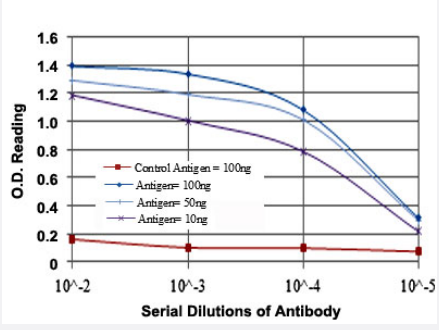
Western Blot (Transfected lysate)

Western blot analysis using GRIA3 monoclonal antibody, clone 1D2 (Cat # MAB10670) against HEK293 (1) and GRIA3-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissues (upper) and rat brain tissues (bottom) using GRIA3 monoclonal antibody, clone 1D2 (Cat # MAB10670) with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA measurement of GRIA3 monoclonal antibody, clone 1D2 (Cat # MAB10670) .

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant GRIA3.
Immunogen	Recombinant protein corresponding to human GRIA3.
Host	Mouse
Theoretical MW (kDa)	101
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — GRIA3

Entrez GeneID	2892
Gene Name	GRIA3
Gene Alias	GLUR-C, GLUR-K3, GLUR3, GLURC, MRX94
Gene Description	glutamate receptor, ionotrophic, AMPA 3
Omim ID	305915
Gene Ontology	Hyperlink
Gene Summary	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 h eteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion c hannels. The classification of glutamate receptors is based on their activation by different pharma cologic 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 ed iting (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties. [provided by RefSeq
Other Designations	OTTHUMP00000024261|OTTHUMP00000024262|dJ1171F9.1|glutamate receptor 3|glutamate r eceptor C|glutamate receptor subunit 3

Pathway

- Long-term depression
- Neuroactive ligand-receptor interaction

Disease

- Autistic Disorder
- Cognition
- Genetic Predisposition to Disease
- Mental Disorders
- Mental Retardation

- Migraine Disorders
- Psychotic Disorders
- Schizophrenia
- Schizophrenic Psychology
- Sexual Dysfunction
- Sexual Dysfunctions
- Sleep Disorders
- Weight Gain