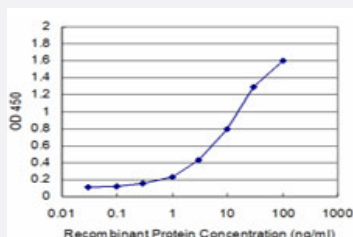


GRIA1 monoclonal antibody (M01), clone 1G10

Catalog # H00002890-M01

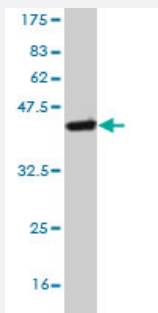
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GRIA1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GRIA1.

Immunogen

GRIA1 (NP_000818, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

VVDCESERLNAILGQIKLEKNGIGYHYILANLGFMDIDLNKFESGANVTGFQLVNYTDTIPAKIMQQ
WKNSDARDHTRVDWKRPKYTSALTYDGVKVM

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GRIA1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GRIA1

Entrez GeneID

[2890](#)

GeneBank Accession#

[NM_000827](#)

Protein Accession#

[NP_000818](#)

Gene Name

GRIA1

Gene Alias

GLUH1, GLUR1, GLURA, HBGR1, MGC133252

Gene Description

glutamate receptor, ionotropic, AMPA 1

Omim ID

[138248](#)

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 heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cognition](#)
- [Drug Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)