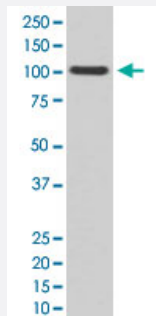


GRIA1 monoclonal antibody, clone GFI-7

Catalog # MAB20094

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human brain tissue lysate with GRIA1 monoclonal antibody, clone GFI-7 (Cat # MAB20094).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human GRIA1.

Immunogen A synthetic peptide corresponding to human GRIA1.

Host Rabbit

Theoretical MW (kDa) 101.506

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunohistochemistry (1:50-1:200)
Immunoprecipitation (1:50)
Western Blot (1:1000-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human brain tissue lysate with GRIA1 monoclonal antibody, clone GFI-7 (Cat # MAB20094).

- Immunohistochemistry

- Immunoprecipitation

Gene Info — GRIA1

Entrez GeneID[2890](#)**Protein Accession#**[P42261](#)**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]

Other Designations

AMPA 1

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](#)