

RecomAb™

GRIA1 recombinant monoclonal antibody, clone R03-7G4

Catalog # RAB01609 Size 100 uL

Applications



Western Blot

Western blot analysis of Phospho-Glutamate Receptor 1 (AMPA subtype) (Ser845) in C6 lysates using human Phospho-Glutamate Receptor 1 (AMPA subtype) (Ser845) recombinant monoclonal antibody, clone R03-7G4 (Cat # RAB01609).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide corresponding to residues surrounding Ser845 of human AMPA Receptor 1 (GluA1).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to residues surrounding Ser845 of human AMPA Receptor 1 (GluA1)
Theoretical MW (kDa)	Calculated MW: 102 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. 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 should be handled by trained staff only.

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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](#)