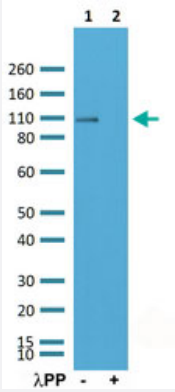
RecomAb™

GRIA1 (phospho S845) monoclonal antibody, clone RM296

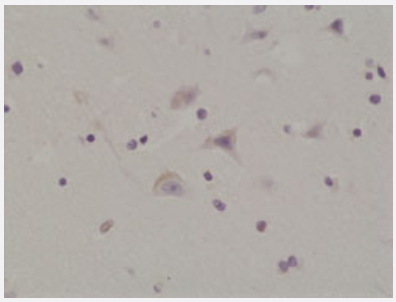
Catalog # MAB16921 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of mouse brain (1) non-treated with Lambda Protein Phosphatase (λPP), (2) dephosphorylated with Lambda Protein Phosphatase (λPP).



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

Immunohistochemical staining of human brain.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GRIA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser845 of human GRIA1.
Reactivity	Human, Mouse, Rat

Specificity	This antibody reacts to human Glutamate Receptor 1, AMPA Receptor (GluR1) only when phosphorylated at Ser845. There is no cross-reactivity to GluR1 that is not phosphorylated at Ser845. This antibody may also react to mouse or rat Phospho-AMPA Receptor (GluR1) (Ser845) as predicted by immunogen homology.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000) Western Blot (1:1000-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	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.

Applications

- Western Blot (Tissue lysate)

  Western Blot (Tissue lysate) analysis of mouse brain (1) non-treated with Lambda Protein Phosphatase (λPP), (2) dephosphorylated with Lambda Protein Phosphatase (λPP).

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

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Gene Info — GRIA1

Entrez GeneID	2890
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 h eteromeric protein complexes with multiple subunits, each possessing transmembrane regions, a nd all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is ba sed 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 transc ript 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