

Glutamate Receptor 1 (AMPA subtype) Rabbit mAb

Catalog No.: A29556

Basic Information

Observed MW

101 kDa

Calculated MW

92-103 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-F, IHC-P, ELISA

Cross Reactivity

Mouse, Rat

Clone No.

ARC4033

Background

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.

Recommended Dilutions

WB 1:2000 - 1:5000**IF-F** 1:200 - 1:600**IHC-P** 1:100 - 1:400**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10,000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

2890

Swiss-Prot

P42261

Immunogen

This information is considered to be commercially sensitive.

Synonyms

GLUH1; GLUR1; GLURA; GluA1; HBGR1; MRD67; MRT76

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

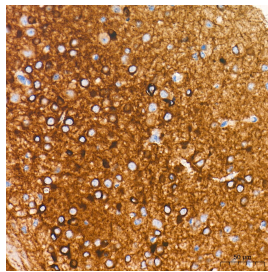
Purity

Affinity purification

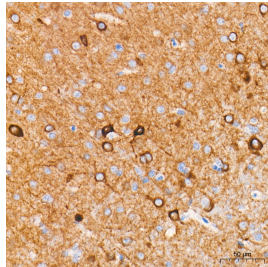
Storage

Store at -20°C

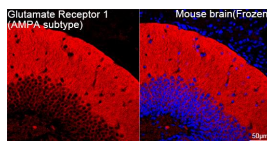
Validation Data



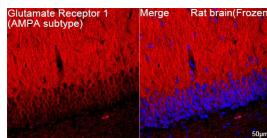
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Glutamate Receptor 1 (AMPA subtype) Rabbit mAb (A29556) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



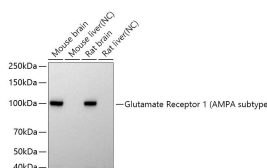
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Glutamate Receptor 1 (AMPA subtype) Rabbit mAb (A29556) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of frozen sections of Mouse brain tissue using Glutamate Receptor 1 (AMPA subtype) Rabbit mAb (A29556, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Rat brain tissue using Glutamate Receptor 1 (AMPA subtype) Rabbit mAb (A29556, dilution 1:500) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Western blot analysis of various lysates using Glutamate Receptor 1 (AMPA subtype) Rabbit mAb (A29556) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Negative control (NC): Mouse liver, Rat liver.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.