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GluR4/GluA4/GRIA4 Rabbit pAb

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Catalog No.: A1492   **1 Publications**

Basic Information

Observed MW
101kDa

Calculated MW
101kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human,Mouse,Rat

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 composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia.

Recommended Dilutions

WB   1:1000 - 1:4000

Immunogen Information

Gene ID
2893

Swiss Prot
P48058

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 254-433 of human GluR4/GluA4/GluR4/GluA4/GRIA4 (NP_001070712.1).

Synonyms
GLUR4; GLURD; GluA4; GLUR4C; NEDSGA; GluA4-ATD; GluR4/GluA4/GRIA4

Contact

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Product Information
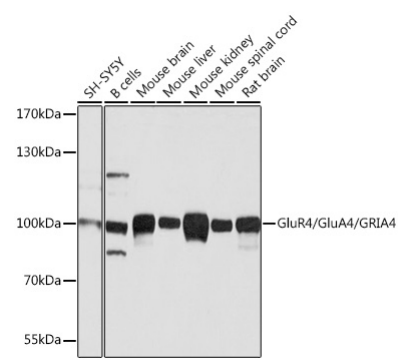
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using GluR4/GluA4/GluR4/GluA4/GRIA4 antibody (A1492) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.