

GLUR4 Antibody / Glutamate Receptor 4 (R31620)

Catalog No.	Formulation	Size
R31620	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	2893
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This GLUR4 antibody is available for research use only.



Western blot testing of GLUR4 antibody and Lane 1: rat brain; 2: mouse brain lysate.
Predicted/observed molecular weight: ~101 kDa.

Description

Glutamate receptor 4 also named GRIA4 or GLUR4, is a protein that in humans is encoded by the GRIA4 gene. It is mapped to 11q22.3. This gene is a member of a family of L-glutamate-gated ion channels that mediate fast synaptic excitatory neurotransmission. These channels are also responsive to the glutamate agonist, alpha-amino-3-hydroxy-5-methyl-4-isoxazolpropionate (AMPA). Some haplotypes of this gene show a positive association with schizophrenia. Additionally, 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GLUR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 176-350) was used as the immunogen for this GLUR4 antibody.

Storage

After reconstitution, the GLUR4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.