

GLUR3 Antibody / Glutamate receptor 3 (R31373)

Catalog No.	Formulation	Size
R31373	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/thimerosal
UniProt	P42263
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GLUR3 antibody is available for research use only.



Western blot testing of GLUR3 antibody and Lane 1: rat brain; 2: mouse brain lysate.
Predicted/observed size ~99KD

Description

Glutamate receptor 3 is a protein that in humans is encoded by the GRIA3 gene. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. It is mapped to Xq25. 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. In addition, GLUR3 has been shown to interact with GRIP1 and PICK1.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GLUR3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Glutamate receptor 3 (RKAGYWNEYERFVPFSDQQ) was used as the immunogen for this GLUR3 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the GLUR3 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.