# 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 |
| **Host** | Rabbit |
| **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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.