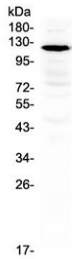
GRIN1 Antibody / NMDAR1 / NR1 (RQ4092)

Catalog No.	Formulation	Size
RQ4092	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q05586
Applications	Western Blot: 0.5-1ug/ml
Limitations	This GRIN1 antibody is available for research use only.



Western blot testing of rat brain lysate with GRIN1 antibody at 0.5ug/ml. Predicted molecular weight ~105 kDa.

Description

Glutamate [NMDA] receptor subunit zeta-1 is a protein that in humans is encoded by the GRIN1 gene. The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described.

Application Notes

Optimal dilution of the GRIN1 antibody should be determined by the researcher.

Immunogen

Amino acids FIEIAYKRHKDARRKQMQLAFAAVNVWRKNLQDRK from the human protein were used as the immunogen for the GRIN1 antibody.

Storage

After reconstitution, the GRIN1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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