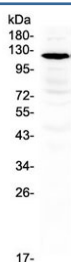


## GRIN1 Antibody / NMDAR1 / NR1 (RQ4092)

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

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q05586
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	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 FIEIAYKRHKDARRKQMLAFAAVNVWRKNLQDRK 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.