

For Research Use Only

# NMDAR2B/GRIN2B Polyclonal antibody

Catalog Number: 19954-1-AP

8 Publications



## Basic Information

### Catalog Number:

19954-1-AP

### Size:

150ul, Concentration: 433 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000834

### GeneID (NCBI):

2904

### UNIPROT ID:

Q13224

### Full Name:

glutamate receptor, ionotropic, N-methyl D-aspartate 2B

### Calculated MW:

166 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse, rat

## Background Information

GRIN2B (also known as GluN2B or NMDAR2B) is a member of the N-methyl-D-aspartate (NMDA) receptor family within the ionotropic glutamate receptor superfamily. NMDA receptors are widely expressed in the central nervous system and play a major role in excitatory synaptic transmission and plasticity (PMID: 23223336). NMDA receptors large multi-subunit complexes arranged into heteromeric assemblies composed of four homologous subunits within a repertoire of over 10 different subunits: eight GluN1 isoforms, four GluN2 subunits (A-D) and two GluN3 subunits (A and B) (PMID: 21395862). Naturally occurring mutations within GRIN2B gene are associated with neurodevelopmental disorders including autism spectrum disorder, attention deficit hyperactivity disorder, epilepsy, and schizophrenia.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian Meng	35606143	J Neurosci	WB
Li Deng	26133793	Brain Res	WB
Muxian Zhang	34307355	Front Cell Dev Biol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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