For Research Use Only

NMDAR2B/GRIN2B Polyclonal antibody



Purification Method:

Antigen affinity purification

Catalog Number: 19954-1-AP

7 Publications

Basic Information

Catalog Number: 19954-1-AP

Size: 430 μg/ml

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

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.

torage Buffer

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data