For Research Use Only

NMDAR2B/GRIN2B Polyclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

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

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data