For Research Use Only

NMDAR2B/GRIN2B Monoclonal antibody

Catalog Number:66565-1-Ig

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Basic Information

Catalog Number:
66565-1-Ig

Size:
150ul , Concentration: 1300 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16718

GenBank Accession Number:
BC113620

GeneID (NCBI):
2904

Full Name:
glutamate receptor, ionotropic, N-methyl D-aspartate 2B

Calculated MW:
1484 aa, 166 kDa

Observed MW:
166 kDa

Purification Method:
Protein G purification

CloneNo.:
1C5E12

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

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.

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

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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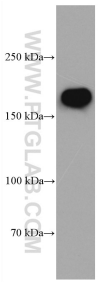
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 66565-1-Ig (NMDAR2B/GRIN2B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.