

For Research Use Only

NMDAR2B/GRIN2B Monoclonal ANTIBODY



Catalog Number: 66565-1-Ig

Basic Information

Catalog Number: 66565-1-Ig	GenBank Accession Number: BC113620	Purification Method: Protein G purification
Size: 150UL, Concentration: 660 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2904	CloneNo.: 1C5E12
Source: Mouse	Full Name: glutamate receptor, ionotropic, N-methyl D-aspartate 2B	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Calculated MW: 1484 aa, 166 kDa	
Immunogen Catalog Number: AG16718	Observed MW: 166 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: mouse brain tissue, rat brain tissue
Species Specificity: Human, 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.

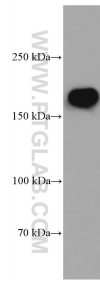
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.