

For Research Use Only

NMDAR2B/GRIN2B Monoclonal antibody

Catalog Number: 66565-1-Ig **1 Publications**



Basic Information

Catalog Number: 66565-1-Ig	GenBank Accession Number: BC113620	Purification Method: Protein G purification
Size: 150ul , Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2904	CloneNo.: 1C5E12
Source: Mouse	UNIPROT ID: Q13224	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Full Name: glutamate receptor, ionotropic, N-methyl D-aspartate 2B	
Immunogen Catalog Number: AG16718	Calculated MW: 1484 aa, 166 kDa	
	Observed MW: 166 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: mouse	

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
Rasa Volianskis	38853552	Philos Trans R Soc Lond B Biol Sci	WB

Storage

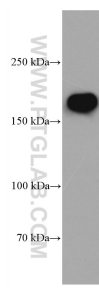
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.