

For Research Use Only

NMDAR2B/GRIN2B Recombinant monoclonal antibody

Catalog Number: 88068-1-RR



Basic Information

Catalog Number: 88068-1-RR	GenBank Accession Number: BC113620	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2904	CloneNo.: 260433C9
Isotype: IgG	UNIPROT ID: Q13224	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG16318	Full Name: glutamate receptor, ionotropic, N-methyl D-aspartate 2B	
	Calculated MW: 1484 aa, 166 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : mouse brain tissue, rat brain tissue, fetal human brain tissue, pig 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, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

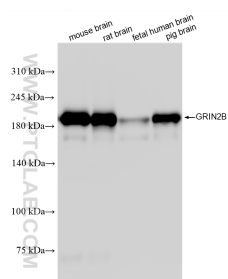
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88068-1-RR (GRIN2B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.