

For Research Use Only

# NMDAR2B/GRIN2B Polyclonal antibody



Catalog Number: 19954-1-AP **7 Publications**

## Basic Information

<b>Catalog Number:</b> 19954-1-AP	<b>GenBank Accession Number:</b> NM_000834	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2904	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13224	
<b>Isotype:</b> IgG	<b>Full Name:</b> glutamate receptor, ionotropic, N-methyl D-aspartate 2B	
	<b>Calculated MW:</b> 166 kDa	

## 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

\*\*\* 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

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## Selected Validation Data