

NMDAR2B/GRIN2B Recombinant monoclonal antibody

Catalog Number: 88068-1-RR

Basic Information

Catalog Number:

88068-1-RR

Size:

100ul , Concentration: 1000 µg/ml by 2904 Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16318

GenBank Accession Number:

BC113620

GeneID (NCBI):

2904

UNIPROT ID:

Q13224

Full Name:

glutamate receptor, ionotropic, N-methyl D-aspartate 2B

Calculated MW:

1484 aa, 166 kDa

Observed MW:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

260433C9

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

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

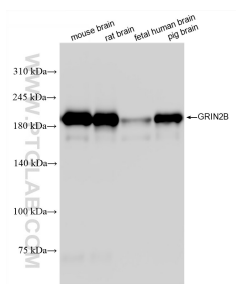
***** 20ul sizes contain 0.1% BSA**

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



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.