

For Research Use Only

# NMDAR1/GRIN1 Monoclonal antibody



Catalog Number: 67717-1-Ig **1 Publications**

## Basic Information

<b>Catalog Number:</b> 67717-1-Ig	<b>GenBank Accession Number:</b> NM_000832	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2902	<b>CloneNo.:</b> 1H2C2
<b>Source:</b> Mouse	<b>Full Name:</b> glutamate receptor, ionotropic, N-methyl D-aspartate 1	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 105 kDa	
<b>Immunogen Catalog Number:</b> AG26364	<b>Observed MW:</b> 105120 kDa	

## Applications

<b>Tested Applications:</b> WB, FC, IHC, ELISA	<b>Positive Controls:</b> WB : pig brain tissue, rabbit cerebellum tissue, rat brain tissue, mouse brain tissue, chicken brain tissue IHC : mouse cerebellum tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, Mouse, Rat, Rabbit, Chicken	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Notable Publications

Author	Pubmed ID	Journal	Application
Bei Guo	37845379	Exp Brain Res	WB

## Storage

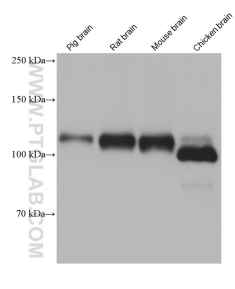
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

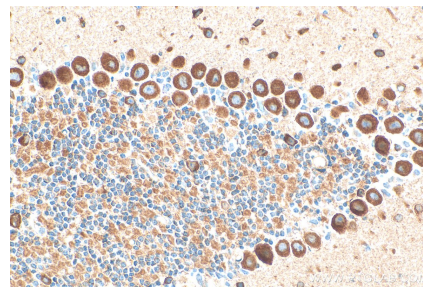
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

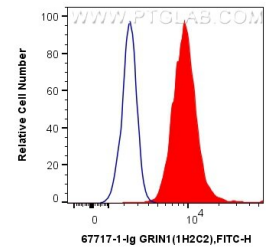
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67717-1-Ig (NMDAR1/GRIN1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 67717-1-Ig (NMDAR1/GRIN1 antibody) at dilution of 1:1000 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human NMDAR1/GRIN1 (67717-1-Ig, Clone:1H2C2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).