

For Research Use Only

# 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

### Tested Applications:

FC, IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, Mouse, Rat, Rabbit, Chicken

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : pig brain tissue, rabbit cerebellum tissue, rat brain tissue, mouse brain tissue, chicken brain tissue

IHC : mouse cerebellum tissue,

## Background Information

### 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

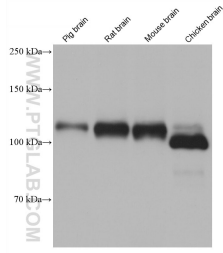
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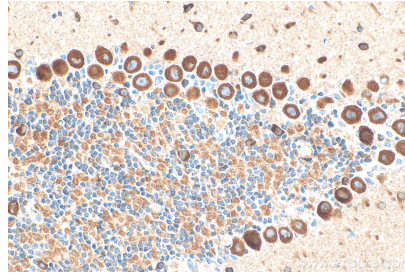
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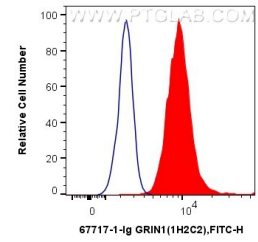
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67717-1-Ig (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 (GRIN1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human 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).