

For Research Use Only

# GPRIN1 Polyclonal antibody

Catalog Number: 13771-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

13771-1-AP

**Size:**

150ul, Concentration: 650 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4754

**GenBank Accession Number:**

BC052950

**GeneID (NCBI):**

114787

**UNIPROT ID:**

Q7Z2K8

**Full Name:**

G protein regulated inducer of neurite outgrowth 1

**Calculated MW:**

1008 aa, 102 kDa

**Observed MW:**

100-110 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

WB : mouse brain tissue,

IP : mouse brain tissue,

## Background Information

GPRIN1 (G protein-regulated inducer of neurite outgrowth 1), also named GRIN1, may be involved in neurite outgrowth. Western blotting analysis has confirmed its expression in mouse neuroblastoma and rat pheochromocytoma cells. And both GPRIN1 and GNAO1 are membrane-bound proteins that are enriched in the growth cones of neurites (PMID:10480904). It has 2 isoforms produced by alternative splicing. This antibody detects GRIN1 at bands around 110 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hongbo Wang	29581737	Exp Ther Med	WB
Stephan Tetenborg	39651118	bioRxiv	IF
Camille N Pujol	32047117	Sci Signal	WB,IHC,IF

## 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

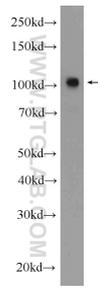
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

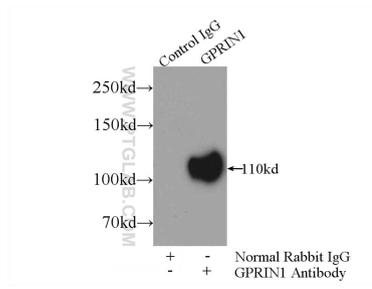
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13771-1-AP (GPRIN1) antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-GPRIN1 (IP:13771-1-AP, 3ug; Detection:13771-1-AP 1:500) with mouse brain tissue lysate 3600ug.