

# RIM1 Polyclonal antibody

Catalog Number: 24576-1-AP

Featured Product

6 Publications

## Basic Information

## Catalog Number:

24576-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG20161

## GenBank Accession Number:

BC152435

## GeneID (NCBI):

22999

## UNIPROT ID:

Q86UR5

## Full Name:

regulating synaptic membrane  
exocytosis 1

## Calculated MW:

1692 aa, 189 kDa

## Observed MW:

189 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, 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 : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

## Background Information

RIMS1 is a RAS gene superfamily member that regulates synaptic vesicle exocytosis. RIMS1 also plays a role in the regulation of voltage-gated calcium channels during neurotransmitter and insulin release. Mutations in RIMS1 have suggested a role cognition and have been identified as the cause of cone-rod dystrophy type 7.

## Notable Publications

| Author       | Pubmed ID | Journal       | Application |
|--------------|-----------|---------------|-------------|
|              | 29033205  | Neuron        | WB          |
| Zhifeng Wang | 31145967  | Neurochem Int | WB          |
| Pengfei Fu   | 27502938  | Neurochem 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

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

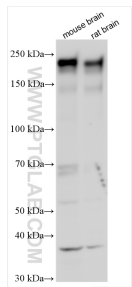
T: 4006900926

E: Proteintech-CN@ptglab.com

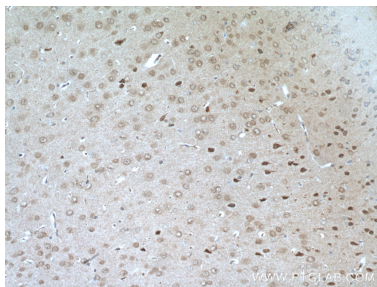
W: ptgcn.com

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

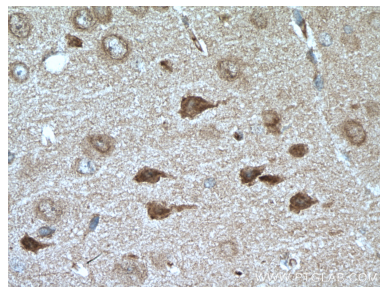
Selected Validation Data



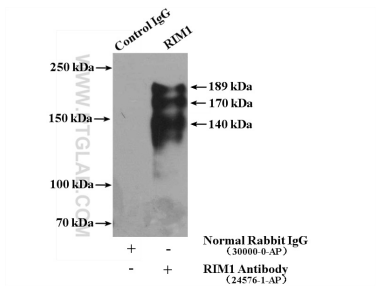
Various lysates were subjected to SDS PAGE followed by western blot with 24576-1-AP (RIM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 24576-1-AP (RIM1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 24576-1-AP (RIM1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RIM1 (IP:24576-1-AP, 4ug; Detection:24576-1-AP 1:1000) with mouse brain tissue lysate 4000ug.