

For Research Use Only

# RIMBP2 Polyclonal antibody

Catalog Number: 15716-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

15716-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8390

### GenBank Accession Number:

BC007632

### GeneID (NCBI):

23504

### UNIPROT ID:

O15034

### Full Name:

RIMS binding protein 2

### Calculated MW:

116 kDa

### Observed MW:

120-150 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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

IHC : mouse brain tissue,

## Background Information

The presynaptic active zone mediates synaptic vesicle exocytosis at a synapse. RIM proteins are active zone scaffolding molecules that--among others--mediate vesicle priming and directly or indirectly interact with most other essential presynaptic proteins. RIMBP2 encodes RIMS-binding protein 2 belonging to RIMBP family. RIMBP2 is supposed to be localized at cell membrane especially synaptic plasma membrane. By interacting with RIMS1, RIMS2, CACNA1D and CACNA1B via the SH3 domains, RIMBP2 mediates synaptic transmission as bifunctional linker.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fushun Fan	28673385	Elife	WB
Xinyu Sun	39653741	Cancer Gene Ther	WB
Kunli Zhao	36803984	Elife	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

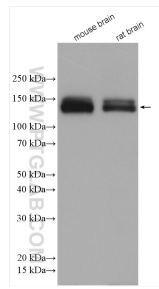
For technical support and original validation data for this product please contact:

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

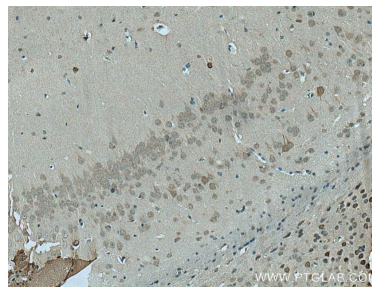
E: proteintech@ptglab.com  
W: ptglab.com

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 15716-1-AP (RIMBP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15716-1-AP (RIMBP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).