

For Research Use Only

RIMBP2 Polyclonal antibody

Catalog Number: 15716-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

15716-1-AP

Size:

500 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 : 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
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

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

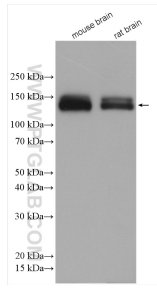
T: 4006900926

E: Proteintech-CN@ptglab.com

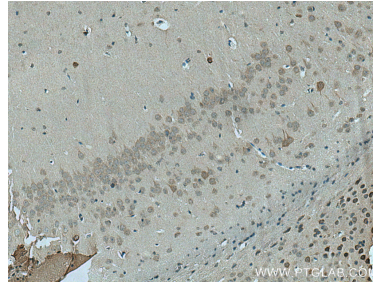
W: ptgcn.com

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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).