



Rabbit Anti-RIMBP2 antibody

SL11358R

Product Name:	RIMBP2
Chinese Name:	神经元突触膜Binding protein2抗体
Alias:	RIM-BP2; RIMB2 HUMAN; RIMBP2; RIMS-binding protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	116kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RIMBP2:951-1052/1052
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	RIMS-binding proteins (RIM-BPs) serve as adaptors during vesicle fusion and release by forming links between synaptic-vesicle fusion apparatuses and calcium channels. Specifically, RIM-BP2 (RIMS binding protein 2), also known as RBP2, is a 1,052 amino acid protein that links L-type Ca ⁺⁺ CP Alpha1D, N-type Ca ⁺⁺ CP Alpha1B, Rim1 and Rim2 during synaptic transmission. RIM-BP2 contains three fibronectin type-III domains and three SH3 domains, which are used to mediate binding to a proline-rich motifs. Existing as three alternatively spliced isoforms, RIM-BP2 is encoded by a gene that maps to human chromosome 12q24.33 and mouse chromosome

5 G1.3.

Function:

Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B.

Subunit:

Interacts with RIMS1, RIMS2, CACNA1D and CACNA1B, and potentially with other Ca(2+) channel alpha-1 isoforms (By similarity).

Subcellular Location:

Cell membrane (By similarity). Cell junction, synapse (By similarity). Note=Synaptic plasma membrane (By similarity).

Tissue Specificity:

Similarity:

Belongs to the RIMBP family.
Contains 3 fibronectin type-III domains.
Contains 3 SH3 domains.

SWISS:

O15034

Gene ID:

23504

Database links:

[Entrez Gene: 23504](#)Human

[Omin: 611602](#)Human

[SwissProt: O15034](#)Human

[Unigene: 657441](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.