

RIMBP2 Rabbit pAb

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Catalog # AP54469

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O15034
Predicted	Rat, Dog, Human, Mouse, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116026
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RIMBP2
Epitope Specificity	951-1052/1052
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane (By similarity). Cell junction, synapse (By similarity). Note=Synaptic plasma membrane (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23504
Other Names	RIMS-binding protein 2, RIM-BP2, RIMBP2, KIAA0318, RBP2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RIMBP2
Synonyms	KIAA0318, RBP2
Function	Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B.
Cellular Location	Cell membrane. Synapse. Note=Synaptic plasma membrane.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.