



Rabbit Anti-RIMS4 antibody

SL11360R

Product Name:	RIMS4
Chinese Name:	神经元突触膜胞外分泌调节蛋白4抗体
Alias:	C20orf190; dJ781B1.3; Rab3-interacting molecule 4; regulating synaptic membrane exocytosis 4; Regulating synaptic membrane exocytosis protein 4; RIM 4; RIM4 gamma; Rims4; RIMS4 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
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:	29kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RIMS4:1-100/269
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:	Rim4 (Rab 3 interacting molecule 4), also known as Rim4 or regulating synaptic membrane exocytosis protein 4, is a 269 amino acid protein that localizes to the cell junction and regulates synaptic membrane exocytosis. Rab 3, a neural/neuroendocrine-specific member of the Rab family, is involved in Ca ²⁺ -regulated exocytosis. Rab 3 functions in an inhibitory capacity by controlling the recruitment of secretory vesicles

into a releasable pool at the plasma membrane. Rim (Rab 3 interacting molecule), a putative effector protein for Rab 3 proteins, is thought to regulate neurotransmitter release through its interaction with Rab 3 and other synaptic proteins.

Function:

Regulates synaptic membrane exocytosis.

Subunit:

Binds PPFIA3 (By similarity). Does not bind RAB3.

Subcellular Location:

Cell junction; synapse.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Contains 1 C2 domain.

SWISS:

Q9H426

Gene ID:

140730

Database links:

[Entrez Gene: 140730](#)Human

[Entrez Gene: 241770](#)Mouse

[Entrez Gene: 266976](#)Rat

[Omim: 611601](#)Human

[SwissProt: Q9H426](#)Human

[SwissProt: P60191](#)Mouse

[SwissProt: Q8CIX1](#)Rat

[Unigene: 517065](#)Human

Important Note:

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