

**RIMS1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16590a****Specification**

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**RIMS1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q86UR5](#)**RIMS1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22999**Other Names**

Regulating synaptic membrane exocytosis protein 1, Rab-3-interacting molecule 1, RIM 1, Rab-3-interacting protein 2, RIMS1, KIAA0340, RAB3IP2, RIM1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RIMS1 Antibody (N-term) Blocking Peptide - Protein Information****Name** RIMS1**Synonyms** KIAA0340, RAB3IP2, RIM1**Function**

Rab effector involved in exocytosis (By similarity). May act as scaffold protein that regulates neurotransmitter release at the active zone. Essential for maintaining normal probability of neurotransmitter release and for regulating release during short-term synaptic plasticity (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:&lt;a href="http://www.uniprot.org/citations/23999003" target="\_blank"&gt;23999003&lt;/a&gt;).

**Cellular Location**

Cell membrane; Peripheral membrane protein. Synapse. Presynaptic cell membrane; Peripheral membrane protein

**Tissue Location**

Expressed in melanocytes (PubMed:23999003). Detected in brain and retina (PubMed:23999003)

## **RIMS1 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **RIMS1 Antibody (N-term) Blocking Peptide - Images**

## **RIMS1 Antibody (N-term) Blocking Peptide - Background**

The protein encoded by this gene is a RAS gene superfamily member that regulates synaptic vesicle exocytosis. The encoded protein may be part of the protein scaffold of the cell. Defects in this gene are a cause of cone-rod dystrophy type 7 (CORD7). Several transcript variants encoding different isoforms have been found for this gene.

## **RIMS1 Antibody (N-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Cirulli, E.T., et al. Eur. J. Hum. Genet. 18(7):815-820(2010)Trynka, G., et al. Gut 58(8):1078-1083(2009)Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009)Wu, C., et al. Proteomics 7(11):1775-1785(2007)