

**RIMS2 Antibody (S427) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7597d****Specification**

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**RIMS2 Antibody (S427) Blocking Peptide - Product Information**Primary Accession [Q9UQ26](#)**RIMS2 Antibody (S427) Blocking Peptide - Additional Information****Gene ID** 9699**Other Names**

Regulating synaptic membrane exocytosis protein 2, Rab-3-interacting molecule 2, RIM 2, Rab-3-interacting protein 3, RIMS2, KIAA0751, RAB3IP3, RIM2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7597d](/products/AP7597d) was selected from the S427 region of human RIMS2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**RIMS2 Antibody (S427) Blocking Peptide - Protein Information****Name** RIMS2**Synonyms** KIAA0751, RAB3IP3, RIM2**Function**

Rab effector involved in exocytosis. May act as scaffold protein. Plays a role in dendrite formation by melanocytes (PubMed: <http://www.uniprot.org/citations/23999003> target="\_blank">23999003).

**Cellular Location**

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

**Tissue Location**

Widely expressed (PubMed:32470375). Expressed in melanocytes (PubMed:23999003). In fetal tissues, predominantly expressed in the brain (PubMed:32470375). In the retina, expressed in the outer plexiform layer (at protein level) (PubMed:32470375). In the cerebellum, expressed in Purkinje cells (at protein level) (PubMed:32470375). In the pancreas, expressed in Langerhans islets (at protein level) (PubMed:32470375).

### **RIMS2 Antibody (S427) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **RIMS2 Antibody (S427) Blocking Peptide - Images**

### **RIMS2 Antibody (S427) Blocking Peptide - Background**

RIMS2 is a Rab effector involved in exocytosis. It may act as a scaffold protein. The mature cytomatrix at the active zone (CAZ) of the synapse is defined by a set of multidomain proteins that harbor several protein-protein or protein-lipid interaction domains. The complete protein composition of the CAZ is not known to date, but it includes the proteins RIMs, Munc13-1, ERC/CAST, Piccolo/Aczonin and Bassoon. RIMs are presynaptic active zone proteins that regulate Ca<sup>2+</sup> triggered release of neurotransmitters.

### **RIMS2 Antibody (S427) Blocking Peptide - References**

Imami K., Anal. Sci. 24:161-166(2008). Wang Y., Genomics 81:126-137(2003).