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RIMS2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7597c

Specification

RIMS2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9UQ26

RIMS2 Antibody (Center) 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 AP7597c was selected from the Center 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 (Center) 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: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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

RIMS2 Antibody (Center) Blocking Peptide - Images

RIMS2 Antibody (Center) 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??rotein or protein??ipid 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 Ca2+ triggered release of neurotransmitters.

RIMS2 Antibody (Center) Blocking Peptide - References

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