10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RSC1A1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6534a

Specification

RSC1A1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q92681

RSC1A1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6248

Other Names
Regulatory solute carrier protein family 1 member 1, Transporter regulator RS1, hRS1, RSC1A1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6534a was selected from the N-term region of human RSC1A1. 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.

RSC1A1 Antibody (N-term) Blocking Peptide - Protein Information

Name RSC1A1

Function
Mediates transcriptional and post-transcriptional regulation of SLC5A1. Inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1. Also involved in transcriptional regulation of SLC22A2. Exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network.

Cellular Location
Cell membrane. Nucleus. Golgi apparatus, trans-Golgi network. Note=Localizes at the inner side of the plasma membrane

Tissue Location
Expressed in small intestine, kidney and brain.

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RSC1A1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RSC1A1 Antibody (N-term) Blocking Peptide - Images

RSC1A1 Antibody (N-term) Blocking Peptide - Background

RSC1A1 mediates transcriptional and post-transcriptional regulation of SLC5A1. The protein inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1 and is also involved in transcriptional regulation of SLC22A2. It exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network.

RSC1A1 Antibody (N-term) Blocking Peptide - References

Vernaleken,A., J. Biol. Chem. 282 (39), 28501-28513 (2007)Kroiss,M., Am. J. Physiol. Renal Physiol. 291 (6), F1201-F1212 (2006)Veyhl,M., Am. J. Physiol. Renal Physiol. 291 (6), F1213-F1223 (2006)