

RUTBC1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11573b**Specification**

RUTBC1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O43147](#)**RUTBC1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 9905**Other Names**

Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1, SGSM2, KIAA0397, RUTBC1

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.

RUTBC1 Antibody (C-term) Blocking peptide - Protein Information**Name** SGSM2**Synonyms** KIAA0397, RUTBC1**Function**

Possesses GTPase activator activity towards RAB32, RAB33B and RAB38 (PubMed:26620560, PubMed:21808068). Regulates the trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes by inactivating RAB32 and RAB38. Inhibits RAB32 and RAB38 activation both directly by promoting their GTPase activity and indirectly by disrupting the RAB9A-HPS4 interaction which is required for RAB32/38 activation (PubMed:26620560).

Cellular Location

Cytoplasm. Melanosome. Note=Melanosomal localization is mediated by RAB9A.

Tissue Location

Widely expressed..

RUTBC1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RUTBC1 Antibody (C-term) Blocking peptide - Images**RUTBC1 Antibody (C-term) Blocking peptide - Background**

The specific function of the protein remains unknown.

RUTBC1 Antibody (C-term) Blocking peptide - References

Vasan, R.S., et al. JAMA 302(2):168-178(2009)Ishibashi, K., et al. Genes Cells
14(1):41-52(2009)Yang, H., et al. Genomics 90(2):249-260(2007)Stelzl, U., et al. Cell
122(6):957-968(2005)