

RAB27A Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20264b**Specification**

RAB27A Blocking Peptide (C-term) - Product Information

Primary Accession [P51159](#)
Other Accession [Q99P74](#), [Q99P58](#), [P23640](#), [Q4LE85](#), [Q9ERI2](#),
[NP_004571.2](#)

RAB27A Blocking Peptide (C-term) - Additional Information

Gene ID 5873

Other Names

Ras-related protein Rab-27A, Rab-27, GTP-binding protein Ram, RAB27A, RAB27

Target/Specificity

The synthetic peptide sequence is selected from aa 151-164 of HUMAN RAB27A

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.

RAB27A Blocking Peptide (C-term) - Protein Information

Name RAB27A

Synonyms RAB27

Function

Small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, binds to a variety of effector proteins to regulate homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion (PubMed:30771381). Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse.

Cellular Location

Membrane; Lipid-anchor. Melanosome. Late endosome. Lysosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545, PubMed:17081065). Localizes to endosomal exocytic vesicles (PubMed:17237785).

Tissue Location

Found in all the examined tissues except in brain. Low expression was found in thymus, kidney, muscle and placenta Detected in melanocytes, and in most tumor cell lines examined Expressed in cytotoxic T-lymphocytes (CTL) and mast cells

RAB27A Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

RAB27A Blocking Peptide (C-term) - Images**RAB27A Blocking Peptide (C-term) - Background**

The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Mutations in this gene are associated with Griscelli syndrome type 2. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.

RAB27A Blocking Peptide (C-term) - References

Ohbayashi, N., et al. Pigment Cell Melanoma Res 23(3):365-374(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Meeths, M., et al. Pediatr Blood Cancer 54(4):563-572(2010)
Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010)
Wood, S.M., et al. Blood 114(19):4117-4127(2009)