

MYO5B Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21849a

Specification

MYO5B Blocking Peptide (N-Term) - Product Information

Primary Accession

[O9ULV0](#)

Other Accession

[P21271](#), [P70569](#)**MYO5B Blocking Peptide (N-Term) - Additional Information****Gene ID** 4645**Other Names**

Unconventional myosin-Vb, MYO5B, KIAA1119

Target/Specificity

The synthetic peptide sequence is selected from aa 17-30 of HUMAN MYO5B

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.

MYO5B Blocking Peptide (N-Term) - Protein Information**Name** MYO5B**Synonyms** KIAA1119**Function**

May be involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation. Required in a complex with RAB11A and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Together with RAB11A participates in CFTR trafficking to the plasma membrane and TF (transferrin) recycling in nonpolarized cells. Together with RAB11A and RAB8A participates in epithelial cell polarization. Together with RAB25 regulates transcytosis. Required for proper localization of bile salt export pump ABCB11 at the apical/canalicular plasma membrane of hepatocytes (PubMed:34816459).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P70569}.

MYO5B Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

MYO5B Blocking Peptide (N-Term) - Images

MYO5B Blocking Peptide (N-Term) - Background

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MYO5B Blocking Peptide (N-Term) - References

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Ohara O.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Yamakawa H.,et al.Submitted (JAN-2007) to the EMBL/GenBank/DDBJ databases.
Nusbaum C.,et al.Nature 437:551-555(2005).