

Mouse MYO5B Antibody (Center V842) Blocking Peptide
Synthetic peptide
Catalog # BP6353a**Specification**

Mouse MYO5B Antibody (Center V842) Blocking Peptide - Product Information

Primary Accession [P21271](#)
Other Accession [Q811F6](#)

Mouse MYO5B Antibody (Center V842) Blocking Peptide - Additional Information**Other Names**

Unconventional myosin-Vb, Myo5b, Kiaa1119

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6353a](/product/products/AP6353a) was selected from the Center region of Mouse MYO5B. 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.

Mouse MYO5B Antibody (Center V842) Blocking Peptide - 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.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P70569}.

Mouse MYO5B Antibody (Center V842) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse MYO5B Antibody (Center V842) Blocking Peptide - Images**Mouse MYO5B Antibody (Center V842) Blocking Peptide - Background**

Myosins are molecular motors that, upon interaction with actin filaments, utilize energy from ATP hydrolysis to generate mechanical force.