

MYO5B Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21849a**Specification**

MYO5B Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O9ULV0
Other Accession	P21271 , P70569
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	213672
Antigen Region	7-30

MYO5B Antibody (N-Term) - Additional Information**Gene ID** 4645**Other Names**

Unconventional myosin-Vb, MYO5B, KIAA1119

Target/Specificity

This MYO5B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 7-30 amino acids from MYO5B.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MYO5B Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MYO5B Antibody (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](#)).

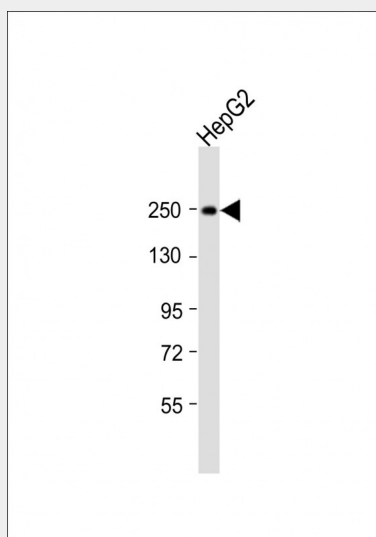
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P70569}.

MYO5B Antibody (N-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYO5B Antibody (N-Term) - Images

Anti-MYO5B Antibody (N-Term) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 214 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

MYO5B Antibody (N-Term) - Background

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.

MYO5B Antibody (N-Term) - References

Hirosawa M.,et al.DNA Res. 6:329-336(1999).
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).