

MYO5B Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21849a

Product Information

Application	WB, E
Primary Accession	Q9ULV0
Other Accession	P21271 , P70569
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53415
Calculated MW	213672

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.

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}.

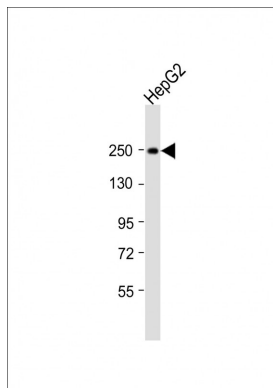
Background

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.

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).

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% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.