

Product Name: KD-Validated Myosin IB Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01387

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 132.0kDa

Antigen Information

Gene Name	MYO1B
Alternative Names	MYO1B; Myosin IB; Myr1; Unconventional Myosin-Ib; MMI-Alpha; MYH-1c; MMI; MYO1B Variant Protein; Myosin-I Alpha; Myosin I Alpha
Gene ID	4430.0
SwissProt ID	O43795
Immunogen	A synthesized peptide derived from human MYO1B

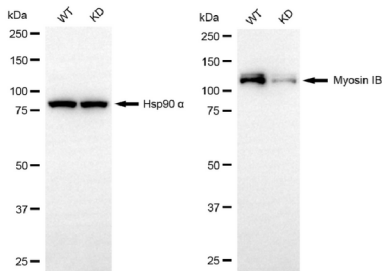
Background

Enables ATP binding activity; actin filament binding activity; and microfilament motor activity. Involved in actin filament organization and post-Golgi vesicle-mediated transport. Located in several cellular components, including actin filament; endosome; and trans-Golgi network membrane. [provided by Alliance of Genome Resources, Jul 2025]

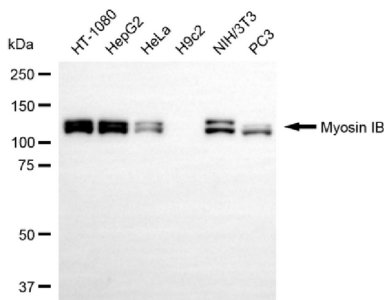
Research Area

Cardiovascular

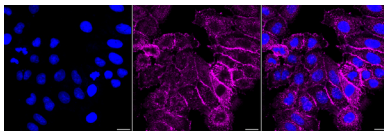
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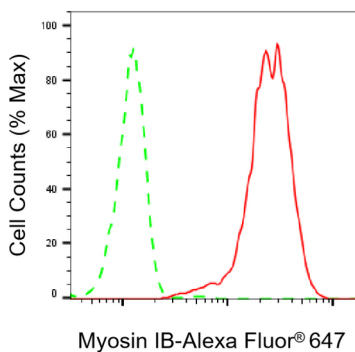
Western blotting analysis using myosin IB antibody (KVA01387). Myosin IB expression in wild-type (WT) and myosin IB (MYO1B) knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with myosin IB antibody (KVA01387, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using myosin IB antibody (KVA01387). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with myosin IB antibody (KVA01387, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Myosin IB antibody (KVA01387, 1:1,000). Nuclei were stained blue with DAPI; Myosin IB was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Myosin IB expression in HepG2 cells using Myosin IB antibody (KVA01387, 1:2,000). Green, isotype control; red, Myosin IB.