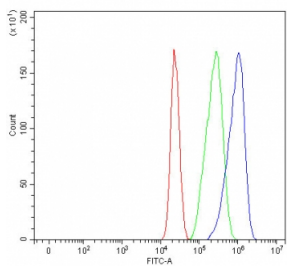
Myosin IB Antibody / MYO1B (RQ8349)

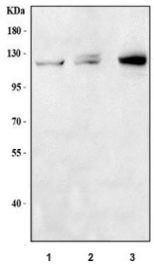
Catalog No.	Formulation	Size
RQ8349	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43795
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This Myosin IB antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with Myosin IB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Myosin IB antibody.



Western blot testing of 1) human A431, 2) human HepG2 and 3) mouse lung tissue lysate with Myosin IB antibody. Predicted molecular weight: 125-132 kDa (two isoforms).

Description

Myosin-Ib is a protein that in humans is encoded by the MYO1B gene. 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 perinuclear region of cytoplasm. Colocalizes with trans-Golgi network membrane.

Application Notes

Optimal dilution of the Myosin IB antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (R231-R1125) was used as the immunogen for the Myosin IB antibody.

Storage

After reconstitution, the Myosin IB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.