

KD-Validated Anti-Myosin IB Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

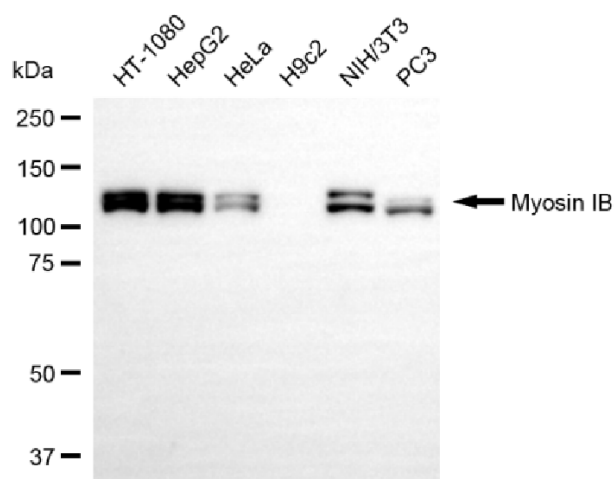
ABG1343

Product Overview

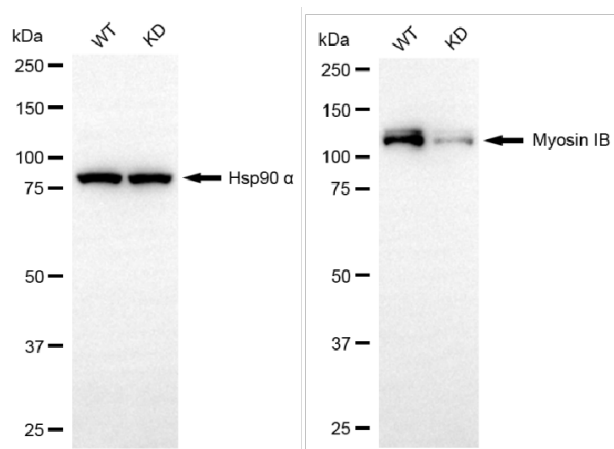
Name	KD-Validated Anti-Myosin IB Rabbit Monoclonal Antibody
Accession(Primary)	O43795
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MYO1B
Species Reactivity	Human, Mouse
Calculated MW	Predicted, 132 kDa; observed, 132 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (O43795)

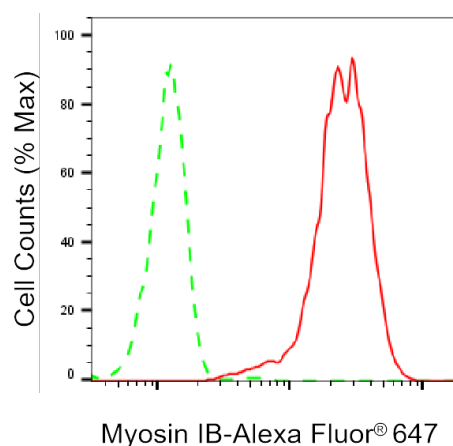
Gene Name	MYO1B
About Gene Symbol	MYO1B (Myosin IB) is a structural cytoskeletal protein involved in cytoskeletal organization. It is an important research target in cell biology, cancer metastasis, and cytoskeletal research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



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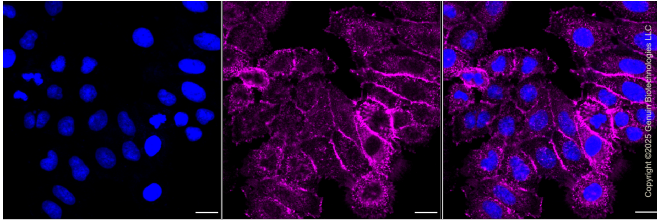


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Western blotting analysis using anti-myosin IB antibody (Cat#ABG1343). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-myosin IB antibody (Cat#ABG1343, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

Western blotting analysis using anti-myosin IB antibody (Cat#ABG1343). 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 anti-myosin IB antibody (Cat#ABG1343, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

Flow cytometric analysis of Myosin IB expression in HepG2 cells using anti-Myosin IBc antibody (Cat#ABG1343, 1:2,000). Green, isotype control; red, Myosin IB.



Immunocytochemical staining of HepG2 cells with Myosin IB antibody (Cat#ABG1343, 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 μ m.