

DATASHEET

MYO1B Rabbit Monoclonal Antibody(C989)

CAT. NO. AMA00601

KEY FEATURES

Target	MYO1B	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Motor protein that may participate in process critical to neuronal development and function such as cell migration, neurite outgrowth and vesicular transport.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant rabbit monoclonal antibody to MYO1B
Specificity	Recognizes endogenous levels of MYO1B protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human MYO1B. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 131; Observed: 132 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	Unconventional myosin-Ib; MYH-1c; Myosin I alpha; MMI-alpha; MMIa
Gene Symbol	MYO1B
Entrez Gene	4430(Human); 17912(Mouse)
SwissProt	O43795(Human); P46735(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

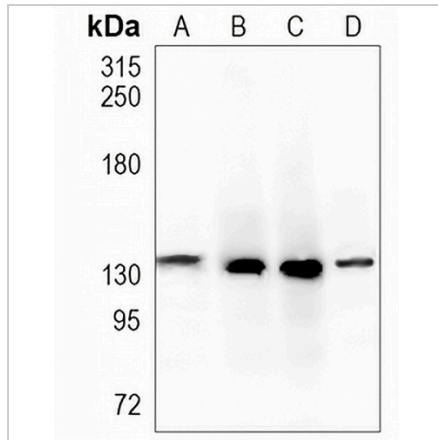
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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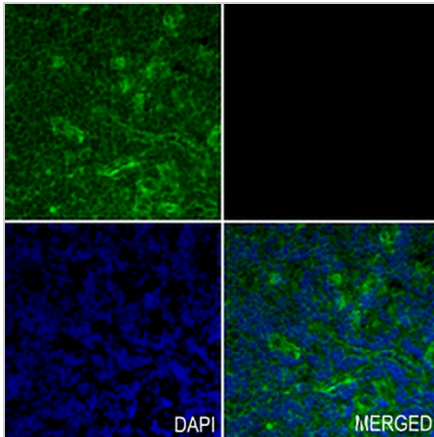
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Western blot analysis of MYO1B expression in HEK293T (A), H1792 (B), HCT116 (C), mouse liver (D) whole cell lysates. (Predicted band size: 131; 124 kD; Observed band size: 132 kD)



Immunohistochemical analysis of MYO1B staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AREX® Fluor 488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.