

Product datasheet

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ARG40456 anti-MYH10 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes MYH10

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name MYH10

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1908-2007 of Human MYH10 (NP_001242941.1).

Conjugation Un-conjugated

Alternate Names Myosin-10; NMMHC-B; Non-muscle myosin heavy chain IIb; NMMHCB; Non-muscle myosin heavy chain

B; NMMHC II-b; NMMHC-IIB; Myosin heavy chain, non-muscle IIb; Cellular myosin heavy chain, type B;

Myosin heavy chain 10

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT-29	
Observed Size	250 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol MYH10

Gene Full Name myosin, heavy chain 10, non-muscle

Background This gene encodes a member of the myosin superfamily. The protein represents a conventional non-

muscle myosin; it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene have been associated with May-Hegglin anomaly and

developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Dec 2011]

Function Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as

secretion and capping. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. During cell spreading, plays an important role in cytoskeleton reorganization, focal contacts formation (in the central part but not the margins of spreading cells), and lamellipodial extension; this

function is mechanically antagonized by MYH9. [UniProt]

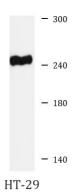
Calculated Mw 229 kDa

PTM Phosphorylated by ABL2. [UniProt]

Cellular Localization Cell projection, lamellipodium. Note=Colocalizes with MCC at the leading edge of migrating cells.

[UniProt]

Images



ARG40456 anti-MYH10 antibody WB image

Western blot: 25 μg of HT-29 cell lysate stained with ARG40456 anti-MYH10 antibody at 1:3000 dilution.