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

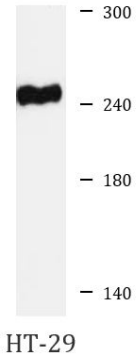
Properties

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.