

ARG56342 anti-MYO1C antibody

Package: 100 μl Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MYO1C
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	MYO1C
Species	Human
Immunogen	Recombinant protein of Human MYO1C
Conjugation	Un-conjugated
Alternate Names	MMlb; myr2; Unconventional myosin-lc; Myosin I beta; MMI-beta; NMI

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	Assay-dependent
	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	MCF7	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
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

Database links	GenelD: 17913 Mouse
	GenelD: 4641 Human
	Swiss-port # 000159 Human
	Swiss-port # Q9WTI7 Mouse
Gene Symbol	MYO1C
Gene Full Name	myosin IC
Background	This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19. [provided by RefSeq, Jul 2008]
Function	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. Involved in glucose transporter recycling in response to insulin by regulating movement of intracellular GLUT4-containing vesicles to the plasma membrane. Component of the hair cell's (the sensory cells of the inner ear) adaptation-motor complex. Acts as a mediator of adaptation of mechanoelectrical transduction in stereocilia of vestibular hair cells. Binds phosphoinositides and links the actin cytoskeleton to cellular membranes.
	Necessary for the formation of the first phosphodiester bond during transcription initiation (By similarity). [UniProt]
Calculated Mw	122 kDa
PTM	Isoform 2 contains a N-acetylmethionine at position 1.

Images



ARG56342 anti-MYO1C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG56342 anti-MYO1C antibody at 1:100 dilution.



ARG56342 anti-MYO1C antibody WB image

Western blot: MCF7 cell lysate stained with ARG56342 anti-MYO1C antibody.