

ARG45075 anti-MYH7B antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MYH7B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MYH7B
Species	Mouse
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the hinge region from mouse MYH7B/MHC14. This sequence is highly conserved in rat and human MYH7B, and has less than 50% identity with other MYH family members.
Conjugation	Un-conjugated
Alternate Names	MYH7B, Myosin Heavy Chain 7B, KIAA1512, LncMYH7b, MYH14, MHC14, Myosin, Heavy Polypeptide 7B, Cardiac Muscle, Beta, Antigen MLAA-21, Slow A MYH14, DJ756N5.1, Myosin-7B, Myosin Heavy Chain 7B, Cardiac Muscle Beta Isoform, Myosin, Heavy Chain 7B, Cardiac Muscle, Beta, Myosin Cardiac Muscle Beta Chain, U937-Associated Antigen

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:300
	WB	1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Antigen Affinity Purified.
Buffer	PBS, 0.05% NaN ₃ , 50% Glycerol and 0.1 % BSA.
Stabilizer	50% Glycerol and 0.1 % BSA
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 or below. 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.

Gene Symbol	MYH7B
Gene Full Name	Myosin Heavy Chain 7B
Background	<p>The myosin II molecule is a multi-subunit complex consisting of two heavy chains and four light chains. This gene encodes a heavy chain of myosin II, which is a member of the motor-domain superfamily. The heavy chain includes a globular motor domain, which catalyzes ATP hydrolysis and interacts with actin, and a tail domain in which heptad repeat sequences promote dimerization by interacting to form a rod-like alpha-helical coiled coil. This heavy chain subunit is a slow-twitch myosin. Alternatively spliced transcript variants have been found, but the full-length nature of these variants is not determined. [provided by RefSeq, Mar 2010]</p>
Function	Involved in muscle contraction. [Uniprot]
Calculated Mw	226 kDa
Cellular Localization	Membrane, Thick filament. [Uniprot]