

ARG67279 anti-Slow Skeletal Myosin Heavy chain antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody recognizes Slow Skeletal Myosin Heavy chain
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	The antibody detects endogenous Slow Skeletal Myosin Heavy chain protein.
Host	Rabbit
Clonality	Monoclonal
Isotype	IgG,Kappa
Target Name	Slow Skeletal Myosin Heavy chain
Conjugation	Un-conjugated
Alternate Names	MYH7; myosin, heavy chain 7, cardiac muscle, beta; SPMD; MyHC-slow; SPMM; Myosin heavy chain 7; CMD1S; Myosin heavy chain, cardiac muscle beta isoform; MyHC-beta; MPD1; MYHCB; CMH1; Myosin heavy chain slow isoform; Myosin-7

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:2000 - 1:10000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

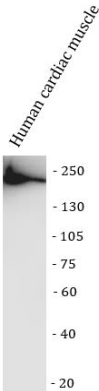
Properties

Form	Liquid
Purification	Purification with Protein A
Buffer	PBS, 0.05% Proclin 300 , 50% glycerol and 0.05% BSA
Preservative	0.05% Proclin 300
Stabilizer	0.05% 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.

Bioinformation

Gene Symbol	MYH7
Gene Full Name	myosin, heavy chain 7, cardiac muscle, beta
Background	Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing early-onset distal myopathy. [provided by RefSeq, Jul 2008]
Function	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). Reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. Involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. May play a role in the regulation of terminal myogenesis. [UniProt]
Calculated Mw	223 kDa
Cellular Localization	Cytoplasm, myofibril. Thick filaments of the myofibrils. [UniProt]

Images



ARG67279 anti-Slow Skeletal Myosin Heavy chain antibody WB image

Western blot: Various whole cell lysate stained with ARG67279 anti-Slow Skeletal Myosin Heavy chain antibody.