

Rabbit MYH6/MYH7 Polyclonal Antibody | anti-MYH6/MYH7 antibody

MYH6/MYH7 Polyclonal Antibody

CATALOG # AAA173996	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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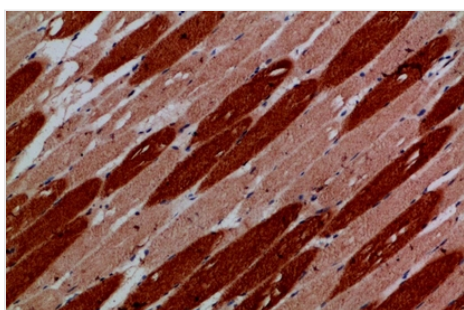
PRODUCT SYNONYMS

MYH6/MYH7; Polyclonal Antibody; MYH6/MYH7 Polyclonal Antibody; anti-MYH6/MYH7 antibody

PRODUCT SPECIFICATIONS

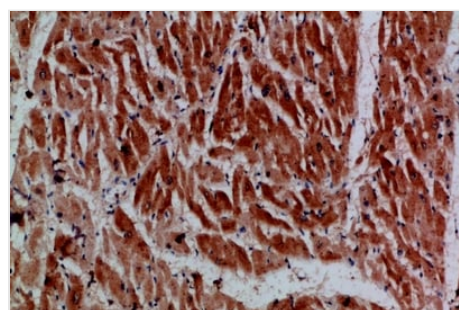
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	1939
Applicable Applications for anti-MYH6/MYH7 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide from human protein
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human skeletal muscle tissue using MYH6/MYH7 Polyclonal Antibody at dilution of 1:100.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human heart tissue using MYH6/MYH7 Polyclonal Antibody at dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH6/MYH7 antibody

MYH6 (Myosin Heavy Chain 6) is a Protein Coding gene. Diseases associated with MYH6 include Atrial Septal Defect 3 and Cardiomyopathy, Dilated, 1Ee. Among its related pathways are Immune response CCR3 signaling in eosinophils and Cytoskeleton remodeling Regulation of actin cytoskeleton by Rho GTPases. GO annotations related to this gene include protein kinase binding and ATPase activity. An important paralog of this gene is MYH7. Cardiac muscle myosin is a hexamer consisting of two heavy chain subunits, two light chain subunits, and two regulatory subunits. This gene encodes the alpha heavy chain subunit of cardiac myosin. The gene is located approximately 4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3. MYH7 (Myosin Heavy Chain 7) is a Protein Coding gene. Diseases associated with MYH7 include Scapuloperoneal Syndrome, Myopathic Type and Liang Distal Myopathy. Among its related pathways are Cytoskeleton remodeling Regulation of actin cytoskeleton by Rho GTPases and Allograft rejection. GO annotations related to this gene include actin binding and calmodulin binding. An important paralog of this gene is MYH6. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156104908
NCBI GeneID	4624
NCBI Accession #	NP_002462.2
NCBI GenBank Nucleotide #	NM_002471.3
UniProt Accession #	P13533; Q13943; Q14906; Q14907; A2RTX1; D9YZU2
Molecular Weight	223,735 Da
NCBI Official Full Name	myosin-6
NCBI Official Synonym Full Names	myosin heavy chain 6
NCBI Official Symbol	MYH6
NCBI Official Synonym Symbols	ASD3; MYHC; SSS3; CMH14; MYHCA; CMD1EE; alpha-MHC
NCBI Protein Information	myosin-6
UniProt Protein Name	Myosin-6
UniProt Gene Name	MYH6
UniProt Synonym Gene Names	MYHCA; MyHC-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/myh6-myh7-antibody-immunohistochemistry-elisa/173996>