

Rabbit anti-Human MYH7 Polyclonal Antibody | anti-MYH7 antibody

MYH7 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283223	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MYH7; Polyclonal Antibody; MYH7 Rabbit pAb; CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB; CMYP7A; CMYP7B; anti-MYH7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	KAKANLEKMC RTLEDQMNEH RSKAEETQRS VNDLTSQRAK LQTENGELSR QLDEKEALIS QLTRGKLTYT QQLEDLKRQL EEEVKAKNAL AHALQSARHD C
Applicable Applications for anti-MYH7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1240-1340 of human MYH7(NP_000248.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



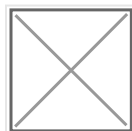
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded rat heart using MYH7 Rabbit pAb (AAA283223) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



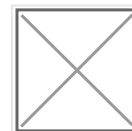
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse heart using MYH7 Rabbit pAb (AAA283223) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Human heart using MYH7 Rabbit pAb (AAA283223) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using MYH7 Rabbit pAb (AAA283223) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293T transfected with MYH7 Rabbit pAb, using MYH7 (AAA283223) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH7 antibody	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 distal myopathy.
Product Categories/Family for anti-MYH7 antibody	Signal Transduction ; Cell Biology Developmental Biology ; Cytoskeleton ; Motor Proteins ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	83304912
NCBI GeneID	4625
UniProt Accession #	P12883 ; Q14836 ; Q14837 ; Q14904 ; Q16579 ; Q2M1Y6 ; Q92679 ; Q9H1D5 ; Q9UDA2 ; Q9UMM8 ; A2TDB6 ; B6D424
Molecular Weight	Calculated MW: 223kDa Observed MW: 251kDa
UniProt Protein Name	Myosin-7
UniProt Gene Name	MYH7
UniProt Synonym Gene Names	MYHCB; MyHC-slow; MyHC-beta
UniProt Entry Name	MYH7_HUMAN

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://stage.aaabiotech.com/polyclonal/myh7-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283223>