



Rabbit Anti-Human MYH7 Polyclonal antibody (DPABH-00061)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Peptide
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IP, IHC, IF, ELISA
Positive Control	mouse heart tissue
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

BACKGROUND

Introduction	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
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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.

Keywords

MYH7; myosin, heavy chain 7, cardiac muscle, beta; CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB; myosin-7; myHC-beta; myhc-slow; myopathy, distal 1; myosin heavy chain slow isoform; rhabdomyosarcoma antigen MU-RMS-40.7A; myosin heavy chain, cardiac muscle beta isoform; myosin, heavy polypeptide 7, cardiac muscle, beta;

GENE INFORMATION

Entrez Gene ID [4625](#)

UniProt ID [P12883](#)
