

Mouse Myosin Heavy Chain Monoclonal Antibody | anti-MYH1 antibody

Myosin Heavy Chain Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA276794	Mouse	Human, Mouse, Rat, Fruit Fly, Nematode	Immunofluorescence, Immunohistochemistry

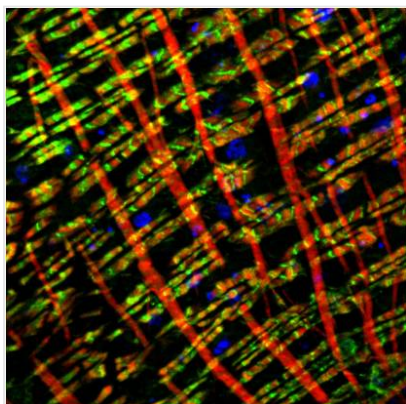
PRODUCT SYNONYMS

Myosin Heavy Chain; Monoclonal Antibody; Myosin Heavy Chain Mouse mAb; Bsh; CG17927; Dm II; Dmel\CG17927; DmMHC; DROMHC; DroMII; FBgn0002741; Ifm(2)2; I(2)36Ae; I(2)k10423; I(2)M66; Mhc; Mhc36B; mMHC; MRP; Myo; Myosin heavy chain; Nup; Sht; sMHC; Stp; anti-MYH1 antibody

PRODUCT SPECIFICATIONS

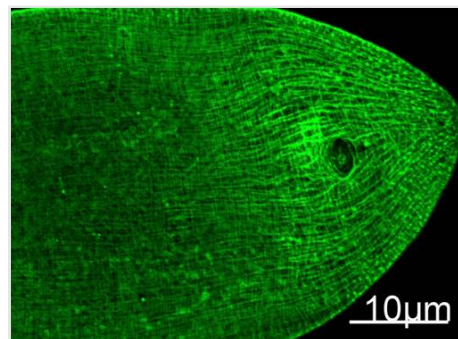
Host	Mouse
Reactivity	Human, Mouse, Rat, Fruit Fly, Nematode
Clonality	Monoclonal
Isotype	IgG1
Form/Format	PBS with 0.02% sodium azide and 50% glycerol pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MYH1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Species	Human
Immunogen	Synthetic Peptide
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence double Staining of fruit fly tissue with MYH mouse mAb(11C2)(Green) and F-actin mouse mAb(red) (Provide by NIBS).



IF (Immunofluorescence)

Immunofluorescence Staining of nematode tissue with MYH mouse mAb (11C2) diluted at 1:100. (Provide by Tsinghua University).

ADDITIONAL INFORMATION

Related Product Information for anti-MYH1 antibody	Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2). Cardiac MHC exists as two isoforms in humans, alpha-cardiac MHC and beta-cardiac MHC. These two isoforms are expressed in different amounts in the human heart. During normal physiology, beta-cardiac MHC is the predominant form, with the alpha-isoform contributing around only 7% of the total MHC. Mutations of the MHC genes are associated with several different dilated and hypertrophic cardiomyopathies.
Product Categories/Family for anti-MYH1 antibody	Cytoplasm; Thick filament

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527082
NCBI GeneID	4619
NCBI Accession #	NP_005954.3
NCBI GenBank Nucleotide #	NM_005963.3
UniProt Accession #	P12882; Q14CA4; Q9Y622
Molecular Weight	223,145 Da
NCBI Official Full Name	myosin-1
NCBI Official Synonym Full Names	myosin, heavy chain 1, skeletal muscle, adult
NCBI Official Symbol	MYH1
NCBI Official Synonym Symbols	MYHa; HEL71; MYHSA1; MyHC-2x; MyHC-2X/D
NCBI Protein Information	myosin-1; myHC-IIx/d; myosin heavy chain 1; myosin heavy chain 2x; myosin heavy chain IIx/d; epididymis luminal protein 71; myosin heavy chain, skeletal muscle, adult 1; myosin, heavy polypeptide 1, skeletal muscle, adult
UniProt Protein Name	Myosin-1
UniProt Gene Name	MYH1
UniProt Synonym Gene Names	MyHC-2x; MyHC-IIx/d
UniProt Entry Name	MYH1_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.