

Rabbit MYH3 Polyclonal Antibody | anti-MYH3 antibody

MYH3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40617	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

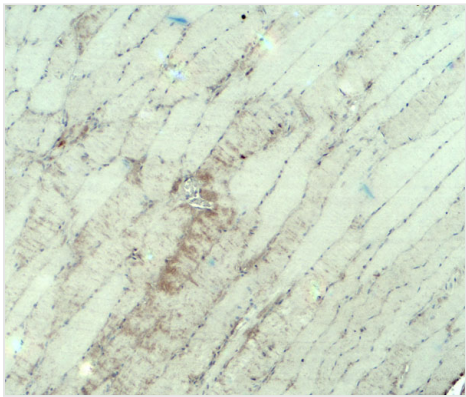
PRODUCT SYNONYMS

MYH3; Polyclonal Antibody; MYH3 Antibody; Myosin heavy chain 3; Myosin-3; Myosin heavy chain skeletal muscle embryonic; HEMHC; MYHC-EMB; MYHSE1; SMHCE; myosin; heavy chain 3; skeletal muscle; embryonic; anti-MYH3 antibody

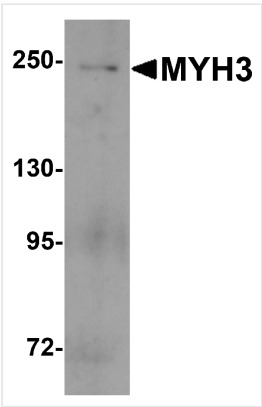
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYH3 antibody is human, mouse and rat reactive. MYH3 antibody is predicted to not cross-react with other members of the myosin heavy chain family.
Purity/Purification	MYH3 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1940
Applicable Applications for anti-MYH3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MYH3 antibody was raised against a 19 amino acid peptide near the amino terminus of human MYH3.
Buffer	MYH3 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of MYH3 in mouse skeletal muscle tissue with MYH3 antibody at 5 μg/ml.



WB (Western Blot)
Western blot analysis of MYH3 in fetal human skeletal muscle lysate with MYH3 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH3 antibody

Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells (1). MYH3 (myosin, heavy chain, skeletal muscle, embryonic) plays a significant role in skeletal muscle development (2) and is also essential for the proper morphology and function of the developing heart (3). Mutations in this gene have been associated with Freeman-Sheldon syndrome and Sheldon-Hall syndrome (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986453
NCBI GeneID	4621
NCBI Accession #	NP_002461
NCBI GenBank Nucleotide #	NM_002470.3
UniProt Accession #	P11055; Q15492
Molecular Weight	Predicted: 213 kDa Observed: 240 kDa
NCBI Official Full Name	myosin-3
NCBI Official Synonym Full Names	myosin, heavy chain 3, skeletal muscle, embryonic
NCBI Official Symbol	MYH3
NCBI Official Synonym Symbols	HEMHC; SMHCE; MYHSE1; MYHC-EMB
NCBI Protein Information	myosin-3; myosin, skeletal, heavy chain, embryonic 1; myosin heavy chain, fast skeletal muscle, embryonic; myosin, heavy polypeptide 3, skeletal muscle, embryonic
UniProt Protein Name	Myosin-3
UniProt Gene Name	MYH3
UniProt Entry Name	MYH3_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.