

Rabbit MYH3 Polyclonal Antibody | anti-MYH3 antibody

MYH3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328044	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

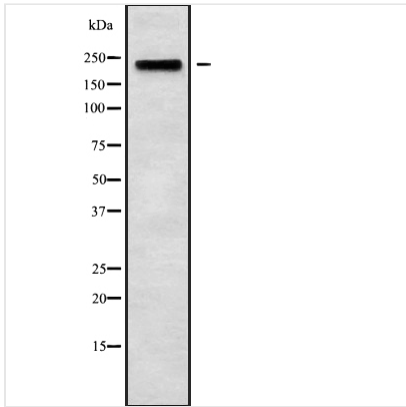
PRODUCT SYNONYMS

MYH3; Polyclonal Antibody; MYH3 Antibody; adult 1; MYH1; MYH1_HUMAN; MYH2; MYH4; MYH6; MyHC-2x; MyHC-IIx/d; MYL1; MYL2; MYL3; MYL5; MYL6; Myosin light chain 2 regulatory cardiac slow; Myosin 1; Myosin heavy chain 1; Myosin heavy chain 1 skeletal muscle adult; Myosin heavy chain 2 skeletal muscle adult; Myosin heavy chain 2x; Myosin heavy chain 3 skeletal muscle adult; Myosin heavy chain 4 skeletal muscle adult; Myosin heavy chain 6 skeletal muscle adult; Myosin heavy chain; Myosin heavy chain IIx/d; Myosin heavy chain skeletal muscle adult 1; Myosin II; Myosin light chain 1 alkali skeletal fast; Myosin light chain 3 alkali ventricular skeletal slow; Myosin light chain 4 alkali atrial embryonic; Myosin light chain 5 regulatory; Myosin light chain 6 alkali smooth muscle and non muscle; Myosin-1; Myosin1; skeletal muscle; anti-MYH3 antibody

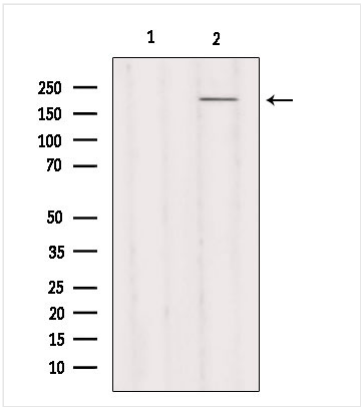
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYH3 antibody detects endogenous levels of total MYH3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1940
Applicable Applications for anti-MYH3 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human MYH3
Subcellular Location	Cytoplasm > Myofibril. Thick filaments of the myofibrils.
Tissue Specificity	Expressed in fetal bone, thymus, placenta, heart, brain, and liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of MYH3 using mouse brain lysates



WB (Western Blot)
Western blot analysis of extracts from HeLa, using MYH3 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH3 antibody	Function: Muscle contraction.
	Subunit Structure: 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).
	Similarity: The rodlike tail sequence is highly repetitive, showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides, characteristic for alpha-helical coiled coils.Limited proteolysis of myosin heavy chain produces 1 light meromyosin (LMM) and 1 heavy meromyosin (HMM). HMM can be further cleaved into 2 globular subfragments (S1) and 1 rod-shaped subfragment (S2). Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Myosin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986453
NCBI GeneID	4621
NCBI Accession #	NP_002461.2
NCBI GenBank Nucleotide #	NM_002470.3
UniProt Accession #	P11055; Q15492
Molecular Weight	Observed: 224 kDa Predicted: 224 kDa
NCBI Official Full Name	myosin-3
NCBI Official Synonym Full Names	myosin heavy chain 3
NCBI Official Symbol	MYH3
NCBI Official Synonym Symbols	DA8; DA2A; DA2B; HEMHC; SMHCE; MYHSE1; MYHC-EMB
NCBI Protein Information	myosin-3
UniProt Protein Name	Myosin-3
UniProt Gene Name	MYH3

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.