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MYH2 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21696a

Product Information

Application	WB, E
Primary Accession	Q9UKX2
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53409
Calculated MW	223044

Additional Information

Gene ID	4620
Other Names	Myosin-2, Myosin heavy chain 2, Myosin heavy chain 2a, MyHC-2a, Myosin heavy chain IIa, MyHC-IIa, Myosin heavy chain, skeletal muscle, adult 2, MYH2, MYHSA2
Target/Specificity	This MYH2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 350-382 amino acids from human MYH2.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MYH2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYH2 (HGNC:7572)
Synonyms	MYHSA2
Function	Myosins are actin-based motor molecules with ATPase activity essential for muscle contraction.

Cellular Location	Cytoplasm, myofibril {ECO:0000250|UniProtKB:G3UW82}. Note=Thick filaments of the myofibrils

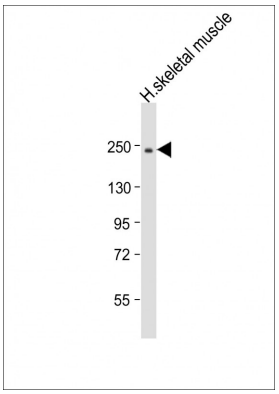
Background

Muscle contraction. Required for cytoskeleton organization (By similarity).

References

Weiss A.,et al.J. Mol. Biol. 290:61-75(1999).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Smerdu V.,et al.Am. J. Physiol. 267:C1723-C1728(1994).
Ennion S.,et al.J. Muscle Res. Cell Motil. 16:35-43(1995).

Images



Anti-MYH2 Antibody (N-Term) at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 223 kDa Blocking/Dilution buffer: 5% NFDM/TBST.