

Rabbit Myosin 4/MyHC-IIB Polyclonal Antibody | anti-MyHC-IIB antibody

Myosin 4/MyHC-IIB (C-terminus) Antibody

CATALOG # AAA71665	HOST Rabbit	APPLICATIONS ELISA, Western Blot
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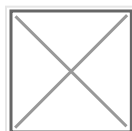
PRODUCT SYNONYMS

Myosin 4/MyHC-IIB; Polyclonal Antibody; Myosin 4/MyHC-IIB (C-terminus) Antibody; Myosin 4/MyHC-IIB (C-terminus); Myosin HC04; anti-MyHC-IIB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody was affinity purified using MYH4 (C-terminus) peptide (without carrier). The antibody detects a 215kDa* protein corresponding to the apparent molecular mass of MYH4 on SDS-PAGE immunoblots of mouse extraocular muscle and mouse C2C12 cells. The antibody may also detect other skeletal MYHs, such as MYH1 and MYH2, which have significant homology to the C-terminal region of MYH4.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-MyHC-IIB antibody	ELISA, WB (Western Blot)
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues at the C-terminus from mouse MYH4/MyHC-IIB. This sequence has 100% identity with rat and human MYH4, and has significant homology to MYH1, MYH2, and MYH8.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



WB (Western Blot)

Western blot analysis MYH4 in mouse C2C12 (lane 1) and mouse extraocular muscle (lane 2). Both lanes of the blot were probed with rabbit polyclonal anti-MYH4/MyHC-IIB (C-terminus) at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-MyHC-IIB antibody	Myosin is a highly conserved, ubiquitous protein found in all eukaryotic cells, where it provides the motor function for diverse movements such as cytokinesis, phagocytosis, and muscle contraction. All myosins contain an amino-terminal motor/head domain and a carboxy-terminal tail domain. The class II myosins, consist of the conventional two-headed myosins that form filaments and are composed of two myosin heavy chain (MYH) subunits and four myosin light chain subunits. There are 15 MYH genes identified as Class II myosins and these include six skeletal muscle MYHs (MYH1, MYH2, MYH3, MYH4, MYH8, MYH13), three cardiac MYHs (MYH6, MYH7, MYH7B) and two non-muscle MYHs (MYH9, MYH10), as well as a smooth muscle MYH (MYH11).
References	Resnicow, D.I. et al. (2010) Proc Natl Acad Sci U S A. 107(3):1053. Berg, J.S. et al. (2001) Mol Biol Cell. 12:780.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67189167
NCBI GeneID	17884
NCBI Accession #	NP_034985.2
NCBI GenBank Nucleotide #	NM_010855.3
UniProt Accession #	Q5SX39; B9EJ73
NCBI Official Full Name	myosin-4
NCBI Official Synonym Full Names	myosin, heavy polypeptide 4, skeletal muscle
NCBI Official Symbol	Myh4
NCBI Official Synonym Symbols	MM; MHC2B; Myhsf; MYH-2B; Minmus; Minimsc; AI506973; MyHC-IIb
NCBI Protein Information	myosin-4
UniProt Protein Name	Myosin-4
UniProt Gene Name	Myh4
UniProt Synonym Gene Names	MyHC-2b
UniProt Entry Name	MYH4_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myosin-4-myhc-iib-antibody-western-blot-elisa/71665>