

Rabbit MYBPC1 Polyclonal Antibody | anti-MYBPC1 antibody

MYBPC1 Antibody

CATALOG # AAA39847	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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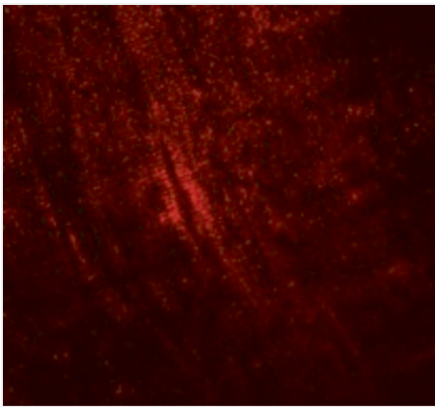
PRODUCT SYNONYMS

MYBPC1; Polyclonal Antibody; MYBPC1 Antibody; LCCS4; MYBPCC; MYBPCS; Myosin-binding protein C; slow-type; C-protein; skeletal muscle slow isoform; Slow MyBP-C; myosin binding protein C; slow type; anti-MYBPC1 antibody

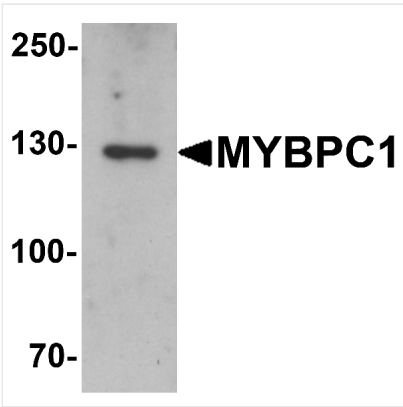
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least five isoforms of MYBPC1 are known to exist. MYBPC1 antibody is predicted not to cross-react with other MYBPC family members
Purity/Purification	MYBPC1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1171
Applicable Applications for anti-MYBPC1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MYBPC1 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human MYBPC1.
Buffer	MYBPC1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MYBPC1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of MYBPC1 in mouse skeletal muscle cells with MYBPC1 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of MYBPC1 in rat skeletal muscle tissue lysate with MYBPC1 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MYBPC1 antibody	MYBPC1 Antibody: Myosin binding protein C (MYBPC) is a component of the thick filament of striated muscle, with the slow-type isoform designated MYBPC1. Both the fast-type (MYBPC2) and slow-type MYBPC protein contains seven immunoglobulin C2 motifs and three fibronectin type-III repeats. Multiple isoforms of MYBPC1 are known to exist, and are present in varying amounts in different skeletal muscles. It is thought that the MYBPC1 slow subfamily may play important roles in the assembly and stabilization of sarcomeric M- and A-bands and regulate the contractile properties of the actomyosin filaments.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45976288
NCBI GeneID	4604
NCBI Accession #	NP_002456
NCBI GenBank Nucleotide #	NM_002465.3
UniProt Accession #	Q00872; Q15497; Q17RR7; Q569K7; B4DKR5; B7Z8G8; B7ZL02; B7ZL09; B7ZL10; E7ESM5; E7EWS6; G3XAE8
Molecular Weight	129,074 Da
NCBI Official Full Name	myosin-binding protein C, slow-type isoform 1
NCBI Official Synonym Full Names	myosin binding protein C, slow type
NCBI Official Symbol	MYBPC1
NCBI Official Synonym Symbols	LCSS4; MYBPCC; MYBPCS
NCBI Protein Information	myosin-binding protein C, slow-type; slow MyBP-C; skeletal muscle C-protein; C-protein, skeletal muscle slow isoform
UniProt Protein Name	Myosin-binding protein C, slow-type
UniProt Gene Name	MYBPC1
UniProt Synonym Gene Names	MYBPCS; Slow MyBP-C
UniProt Entry Name	MYPC1_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.

