

Rabbit anti-Human, Mouse MYBPC2 Polyclonal Antibody | anti-MYBPC2 antibody

MYBPC2 Antibody

CATALOG # AAA40378	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

MYBPC2; Polyclonal Antibody; MYBPC2 Antibody; MYBPC; MYBPCF; Myosin-binding protein C; fast-type; C-protein; skeletal muscle fast isoform; Fast MyBP-C; myosin binding protein C; fast type; anti-MYBPC2 antibody

PRODUCT SPECIFICATIONS

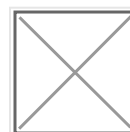
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MYBPC2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1141
Applicable Applications for anti-MYBPC2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MYBPC2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human MYBPC2.
Buffer	MYBPC2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MYBPC2 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



IHC (Immunohistochemistry)

Immunohistochemistry of MYBPC2 in mouse skeletal muscle tissue with MYBPC2 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of MYBPC2 in mouse skeletal muscle tissue lysate with MYBPC2 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MYBPC2 antibody	MYBPC2 Antibody: Myosin binding protein C (MYBPC) is a component of the thick filament of striated muscle, with the fast-type isoform designated MYBPC2. Both the fast-type and slow-type MYBPC protein contains seven immunoglobulin C2 motifs and three fibronectin type-III repeats. MYBPC2 is typically required for strong contractions and functions under anaerobic conditions. It is more similar to the cardiac isoform (MYBPC3) than to the slow-type isoform (MYBPC1) in terms of pCa50-indexed force development, length-independent cooperativity and length dependent activation. It has been suggested that in cardiac and fast muscle MYBPC2 contributes to an internal load, possibly by binding to actin via its N-terminal region.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119592272
NCBI GeneID	4606
UniProt Accession #	Q14324; A1L4G9
Molecular Weight	128,072 Da
NCBI Official Full Name	myosin binding protein C, fast type, isoform CRA_b
NCBI Official Synonym Full Names	myosin binding protein C, fast type
NCBI Official Symbol	MYBPC2
NCBI Official Synonym Symbols	MYBPC; MYBPCF
NCBI Protein Information	myosin-binding protein C, fast-type; fast MyBP-C; C-protein, skeletal muscle fast isoform; fast-type muscle myosin-binding-protein C
UniProt Protein Name	Myosin-binding protein C, fast-type
UniProt Gene Name	MYBPC2
UniProt Synonym Gene Names	MYBPCF; Fast MyBP-C
UniProt Entry Name	MYPC2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mybpc2-antibody-immunohistochemistry-western-blot-elisa/40378>