

Rabbit MYBPC1 Polyclonal Antibody | anti-MYBPC1 antibody

MYBPC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324862	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

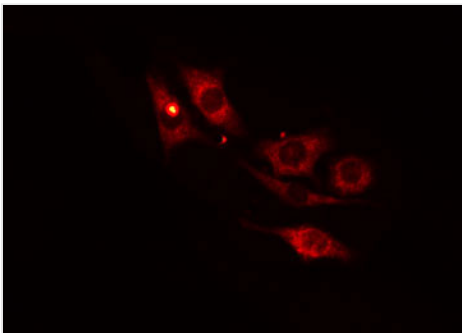
PRODUCT SYNONYMS

MYBPC1; Polyclonal Antibody; MYBPC1 Antibody; C protein; skeletal muscle slow isoform; C-protein; MYBPCC; MYBPCS; Myosin binding protein C; slow type; Myosin-binding protein C; MYPC1_HUMAN; skeletal muscle C protein; Slow MyBP C; Slow MyBP-C; slow-type; anti-MYBPC1 antibody

PRODUCT SPECIFICATIONS

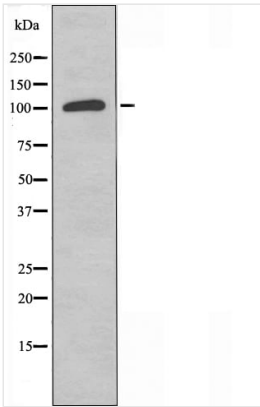
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYBPC1 antibody detects endogenous levels of total MYBPC1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1173
Applicable Applications for anti-MYBPC1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324862 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using MYBPC1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MYBPC1 antibody

Function: Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. In vitro it binds MHC, F-actin and native thin filaments, and modifies the activity of actin-activated myosin ATPase. It may modulate muscle contraction or may play a more structural role.
Subunit Structure: Interacts with USP25 (isoform USP25m only); the interaction prevents proteasomal degradation of MYBPC1.
Similarity: Belongs to the immunoglobulin superfamily. MyBP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	360039217
NCBI GeneID	4604
NCBI Accession #	NP_001241647.1
NCBI GenBank Nucleotide #	NM_001254718.1
UniProt Accession #	Q00872; Q15497; Q17RR7; Q569K7; B4DKR5; B7Z8G8; B7ZL02; B7ZL09; B7ZL10; E7ESM5; E7EWS6; G3XAE8
Molecular Weight	Observed: 120 kD Predicted: 129 kDa
NCBI Official Full Name	myosin-binding protein C, slow-type isoform 5
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
UniProt Protein Name	Myosin-binding protein C, slow-type
UniProt Gene Name	MYBPC1
UniProt Synonym Gene Names	MYBPCS; Slow MyBP-C

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.