



MYBPC1 Monoclonal Antibody

Catalog No	YP-mAb-03154
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MYBPC1
Immunogen	The antiserum was produced against synthesized peptide derived from human MYBPC1. AA range:218-267
Specificity	MYBPC1 Monoclonal Antibody detects endogenous levels of MYBPC1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C-protein;skeletal muscle slow isoform;MYBPCS;Myosin-binding protein C;slow-type;Slow MyBP C;Slow MyBP-C;MYBPC1;Myosin-binding protein C slow-type;skeletal muscle slow isoform
Observed Band	120kD
Calculated Molecular Weight	120kD
Cell Pathway	cytosol,myofibril,myosin filament,
Tissue Specificity	Brain,Fetal skeletal muscle,Hippocampus,Liver,Muscle pool- 2 tissue
Function	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., similarity:Belongs to the immunoglobulin superfamily. MyBP family., similarity:Contains 3 fibronectin type-III domains.,similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains.,



Background

This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein C and plays an important role in muscle contraction by recruiting muscle-type creatine kinase to myosin filaments. Mutations in this gene are associated with distal arthrogryposis type I. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],

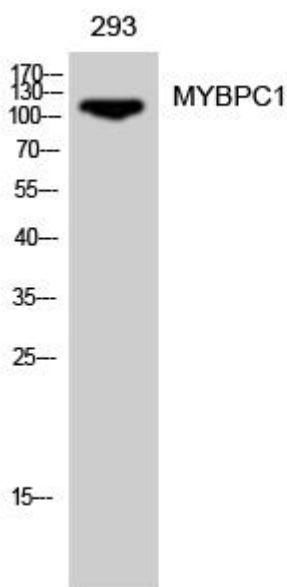
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MYBPC1 Monoclonal Antibody