Product Name: MYBPC1 Rabbit Polyclonal Antibody
Catalog #: APRab14263

Summary

Production Name	MYBPC1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MYBPC1
Alternative Names	MYBPC1; MYBPCS; Myosin-binding protein C; slow-type; Slow MyBP-C; C-protein, skeletal muscle slow isoform
Gene ID	4604.0
SwissProt ID	Q00872.The antiserum was produced against synthesized peptide derived from human MYBPC1. AA range:218-267

Application

Dilution Ratio	WB 1:500-2000 ELISA 2000-20000
Molecular Weight	120kD

Background

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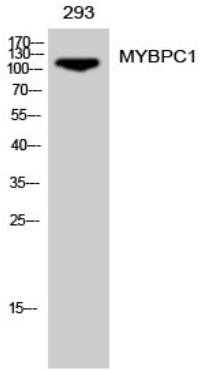
This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein 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],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.,

Research Area

Image Data



Western Blot analysis of 293 cells using MYBPC1 Polyclonal Antibody diluted at 1：500

Note

For research use only.