

ARG40486 anti-MYBPC1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MYBPC1
Tested Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Specificity	At least five isoforms of MYBPC1 are known to exist. This antibody is predicted not to cross-react with other MYBPC family members.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MYBPC1
Species	Human
Immunogen	Synthetic peptide around 18 aa (N-terminus) of Human MYBPC1.
Conjugation	Un-conjugated
Alternate Names	LCCS4; MYBPCC; Slow MyBP-C; C-protein, skeletal muscle slow isoform; MYBPCS; Myosin-binding protein C, slow-type

Application Instructions

Application table	Application	Dilution
	ICC/IF	20 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat skeletal muscle	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

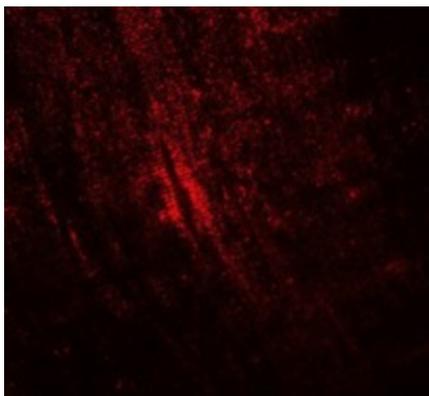
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

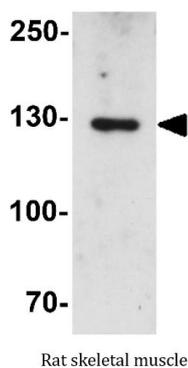
Gene Symbol	MYBPC1
Gene Full Name	myosin binding protein C, slow type
Background	This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The 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 arthrogyriposis 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. [UniProt]
Calculated Mw	128 kDa

Images



ARG40486 anti-MYBPC1 antibody ICC/IF image

Immunofluorescence: Mouse skeletal muscle cells stained with ARG40486 anti-MYBPC1 antibody at 20 µg/ml dilution.



ARG40486 anti-MYBPC1 antibody WB image

Western blot: Rat skeletal muscle tissue lysate stained with ARG40486 anti-MYBPC1 antibody at 1 µg/ml dilution.