

For Research Use Only

# MYBPC3 Polyclonal antibody, PBS Only

Catalog Number:19977-1-PBS



## Basic Information

Catalog Number:

19977-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000256

GeneID (NCBI):

4607

UNIPROT ID:

Q14896

Full Name:

myosin binding protein C, cardiac

Calculated MW:

141 kDa

Observed MW:

141-150 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

MYBPC3 belongs to the immunoglobulin superfamily and MyBP family. MYBPC3 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. Defects in MYBPC3 are the cause of cardiomyopathy familial hypertrophic type 4 (CMH4). The antibody detects the full length form and the degradation bands around 28-54 kDa in SDS-PAGE.(PMID: 22076249)

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

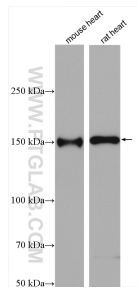
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

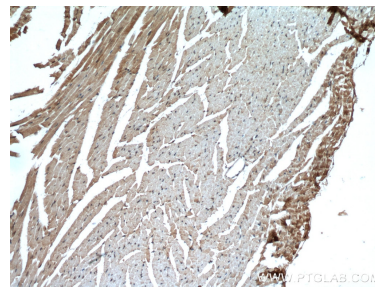
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

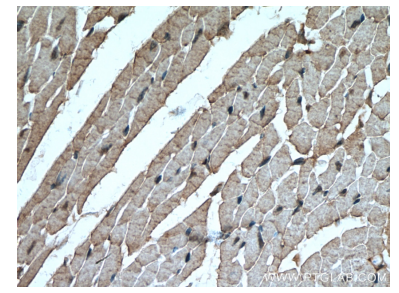
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19977-1-AP (MYBPC3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 19977-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 19977-1-AP (MYBPC3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19977-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 19977-1-AP (MYBPC3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19977-1-PBS in a different storage buffer formulation.