

For Research Use Only

MYBPC1 Polyclonal antibody

Catalog Number: 22900-1-AP **3 Publications**



Basic Information

Catalog Number: 22900-1-AP	GenBank Accession Number: NM_002465	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 4604	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q00872	
Isotype: IgG	Full Name: myosin binding protein C, slow type	
	Calculated MW: 128 kDa	
	Observed MW: 135-140 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB: mouse skeletal muscle tissue, mouse pancreas tissue
Species Specificity: human, mouse, rat	IHC: human skeletal muscle tissue, human bladder tissue, human heart tissue
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

MYBPC1, also named as MYBPCS, belongs to the immunoglobulin superfamily and MyBP family. It is a 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. This antibody is specific to MYBPC1.

Notable Publications

Author	Pubmed ID	Journal	Application
Minjie Shen	33863995	Mol Psychiatry	IHC
Mangesh Morey	37401646	Adv Biol (Weinh)	IHC
I O Petrova	30168060	Dokl Biochem Biophys	WB

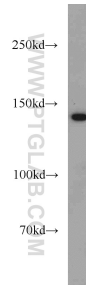
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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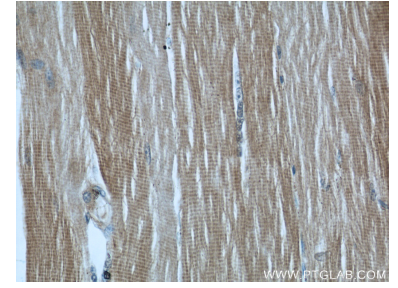
Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 22900-1-AP (MYBPC1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 22900-1-AP (MYBPC1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 22900-1-AP (MYBPC1 antibody) at dilution of 1:50 (under 40x lens).