

For Research Use Only

CoraLite®594-conjugated MYBPC3 Monoclonal antibody

Catalog Number:CL594-67608



Basic Information

Catalog Number: CL594-67608	GenBank Accession Number: BC151211	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4607	CloneNo.: 3C8F8
Source: Mouse	UNIPROT ID: Q14896	Recommended Dilutions: WB 1:2000-1:16000
Isotype: IgG1	Full Name: myosin binding protein C, cardiac	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG15848	Calculated MW: 1274 aa, 141 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : rat heart tissue, mouse heart tissue
Species Specificity: Human, mouse, rat, pig	

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).

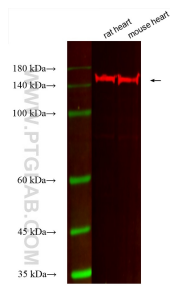
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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
W: ptglab.com

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 CL594-67608 (MYBPC3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.