

CoraLite®594-conjugated MYBPC3 Monoclonal antibody

Catalog Number: **CL594-67608**

Basic Information

Catalog Number:

CL594-67608

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG15848

GenBank Accession Number:

BC151211

GeneID (NCBI):

4607

UNIPROT ID:

Q14896

Full Name:

myosin binding protein C, cardiac

Calculated MW:

1274 aa, 141 kDa

Observed MW:

140-150 kDa

Purification Method:

Protein G purification

CloneNo.:

3C8F8

Recommended Dilutions:

WB 1:2000-1:16000

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

WB

Species Specificity:

Human, mouse, rat, pig

Positive Controls:

WB : rat heart tissue, mouse heart tissue

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:

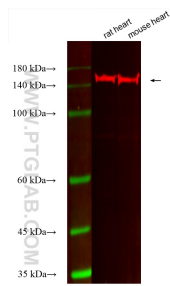
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.