

MYBPC3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12436a**Specification**

MYBPC3 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q14896](#)

MYBPC3 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4607

Other Names

Myosin-binding protein C, cardiac-type, Cardiac MyBP-C, C-protein, cardiac muscle isoform, MYBPC3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MYBPC3 Antibody (N-term) Blocking peptide - Protein Information

Name MYBPC3

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.

MYBPC3 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MYBPC3 Antibody (N-term) Blocking peptide - Images**MYBPC3 Antibody (N-term) Blocking peptide - Background**

MYBPC3 encodes the cardiac isoform of myosin-binding protein C. Myosin-binding protein C is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated

muscle. MYBPC3, the cardiac isoform, is expressed exclusively in heart muscle. Regulatory phosphorylation of the cardiac isoform in vivo by cAMP-dependent protein kinase (PKA) upon adrenergic stimulation may be linked to modulation of cardiac contraction. Mutations in MYBPC3 are one cause of familial hypertrophic cardiomyopathy.

MYBPC3 Antibody (N-term) Blocking peptide - References

Millat, G., et al. Clin. Chim. Acta 411 (23-24), 1983-1991 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Millat, G., et al. Eur J Med Genet 53(5):261-267(2010) Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010) Brion, M., et al. Ann. Clin. Lab. Sci. 40(3):285-289(2010)