

Datasheet for ABIN953556
anti-MYBPC3 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	MYBPC3
Binding Specificity:	AA 188-218, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYBPC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 188-218aa) of human MYBPC3.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes MYBPC3 at N-term.
Cross-Reactivity (Details):	Species reactivity (expected):Rat. Species reactivity (tested):Human, Mouse.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MYBPC3
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Target Details

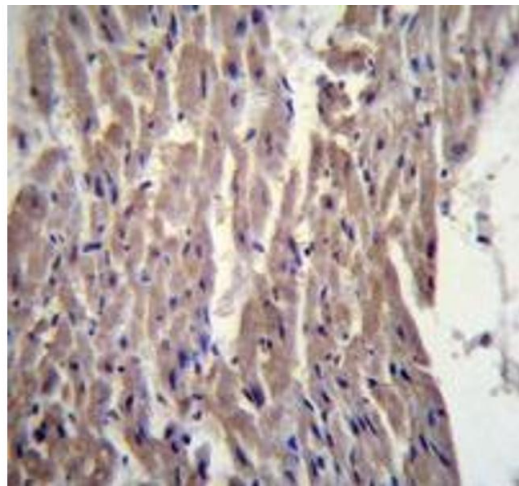
Alternative Name:	MYBPC3 (MYBPC3 Products)
Background:	<p>MYBPC3 encodes the cardiac isoform of myosin-binding protein C. Myosin-binding protein C is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. MYBPC3, the cardiac isoform, is expressed exclusively in heart muscle.</p> <p>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.</p> <p>Mutations in MYBPC3 are one cause of familial hypertrophic cardiomyopathy. Synonyms: C-protein cardiac muscle isoform, cardiac-type Myosin-binding protein C</p>
Gene ID:	4607
NCBI Accession:	NP_000247

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

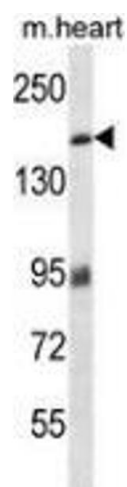
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in human heart tissue (Formalin-fixed, Paraffin-embedded) using MYBPC3 Antibody (N-term), followed by peroxidase conjugated secondary antibody and DAB staining. This data demonstrates the use of this antibody for IHC. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis in mouse heart tissue lysates (35ug/lane) using MYBPC3 Antibody (N-term). This demonstrates this antibody detected the MYBPC3 protein (arrow).