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## Datasheet for ABIN500298 anti-MYBPC2 antibody (C-Term)

Publication



#### Overview

Quantity:	0.1 mg
Target:	MYBPC2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYBPC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	MYBPC2 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human MYBPC2.
Isotype:	lgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography
Target Details	
Target:	MYBPC2

Alternative Name: MYBPC2 (MYBPC2 Products)	

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### Target Details

Background:	Myosin binding protein C (MYBPC) is a component of the thick filament of striated muscle, with
	the fast-type isoform designated MYBPC2. Both the fast-type and slow-type MYBPC protein
	contains seven immunoglobulin C2 motifs and three fibronectin type-III repeats. MYBPC2 is
	typically required for strong contractions and functions under anaerobic conditions. It is more
	similar to the cardiac isoform (MYBPC3) than to the slow-type isoform (MYBPC1) in terms of
	pCa50-indexed force development, length-independent cooperativity and length dependent
	activation. It has been suggested that in cardiac and fast muscle MYBPC2 contributes to an
	internal load, possibly by binding to actin via its N-terminal region.Synonyms: C-protein, Fast
	MyBP-C, MYBPCF, Myosin-binding protein C, skeletal muscle fast isoform

Gene ID:	4606
NCBI Accession:	NP_004524
UniProt:	Q14324

#### Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

#### Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % 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:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.

#### Publications

Product cited in:

Takeuchi, Wong, Schneider, Freeze, Takeuchi, Berardinelli, Ito, Lee, Nelson, Haltiwanger: "Variant

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