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Datasheet for ABIN6991296

anti-MYBPC2 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	MYBPC2
Binding Specificity:	AA 1070-1120, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYBPC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	MYBPC2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human MYBPC2. The immunogen is located within amino acids 1070 - 1120 of MYBPC2.
Isotype:	IgG
Purification:	MYBPC2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MYBPC2
Alternative Name:	MYBPC2 (MYBPC2 Products)
Background:	MYBPC2 Antibody: 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-

Target Details

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.

Gene ID: 4606

UniProt: [Q14324](#)

Application Details

Application Notes: MYBPC2 antibody can be used for detection of MYBPC2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Antibody validated: Western Blot in mouse samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MYBPC2 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: MYBPC2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.