

## Datasheet for 600-401-CW1

# MYBPC1 Antibody

### Overview

<b>Description:</b>	Anti-MYBPC1 (RABBIT) Antibody - 600-401-CW1
<b>Item No.:</b>	600-401-CW1
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IHC
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	Myosin binding protein C (MYBPC) is a component of the thick filament of striated muscle, with the slow-type isoform designated MYBPC1. Both the fast-type (MYBPC2) and slow-type MYBPC protein contains seven immunoglobulin C2 motifs and three fibronectin type-III repeats. Multiple isoforms of MYBPC1 are known to exist, and are present in varying amounts in different skeletal muscles. It is thought that the MYBPC1 slow subfamily may play important roles in the assembly and stabilization of sarcomeric M- and A-bands and regulate the contractile properties of the actomyosin filaments.
<b>Synonyms:</b>	MYBPC1 Antibody, LCCS4, MYBPCC, MYBPSC, Myosin-binding protein C, slow-type, C-protein, skeletal muscle slow isoform, Slow MyBP-C
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	MYBPC1
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-MYBPC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide near the C-terminus of human MYBPC1.

**Purity/Specificity:** Anti-MYBPC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MYBPC1 from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - Q00872](#)
- [GeneID - 4604](#)
- [NCBI - NP\\_002456](#)

## Application Details

**Tested Applications:** ELISA, IHC

**Application Note:** Anti-MYBPC1 Antibody has been tested for use in ELISA Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 128 kDa in Western Blots of specific cell lysates and tissues.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:10,000

**IF:** 20 µg/mL

**IHC:** 5 µg/mL

**WB:** 1 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

**Preservative:** 0.02% (w/v) Sodium Azide

**Stabilizer:** None

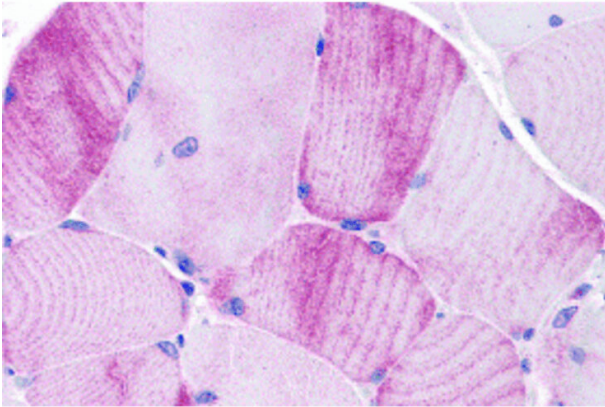
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Immunohistochemistry

Immunohistochemistry of MYBPC1 antibody. Tissue: Human skeletal tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: MYBPC1 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: MYBPC1 is localized in the cytosol and myofibril. Staining: MYBPC1 as precipitated purple signal with blue nuclear counterstain.

## Disclaimer

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