

Datasheet for 600-401-CW1**MYBPC1 Antibody****Overview**

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

Product Details

Background:	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.
Synonyms:	MYBPC1 Antibody, LCCS4, MYBPCC, MYBPCS, Myosin-binding protein C, slow-type, C-protein, skeletal muscle slow isoform, Slow MyBP-C
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MYBPC1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	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

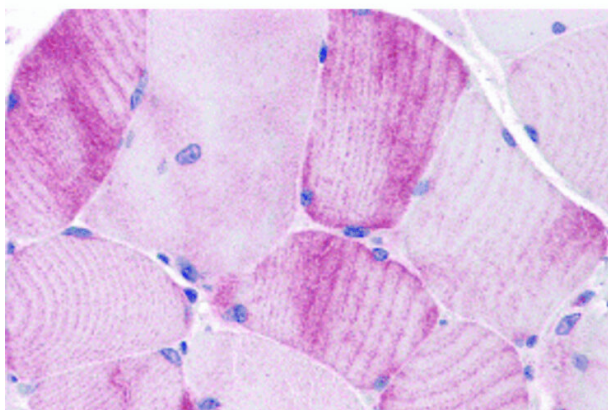
Shipping & Handling

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.