

Datasheet for 600-401-CW8**MYH8 Antibody****Overview**

Description:	Anti-MYH8 (RABBIT) Antibody - 600-401-CW8
Item No.:	600-401-CW8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells (1). MYH8 (myosin, heavy chain 8, skeletal muscle, perinatal) is a member of the class II or conventional myosin heavy chains, and functions in skeletal muscle contraction (2,3). This gene is predominantly expressed in fetal skeletal muscle. MYH8 is regulated by phosphorylation via myosin light chain kinase (MLCK) and by intracellular Ca ²⁺ concentrations (3). A mutation in this gene results in trismus-pseudocamptodactyly syndrome (4).
Synonyms:	Myosin heavy chain 8, Myosin-8, Myosin heavy chain skeletal muscle perinatal, MyHC-perinatal, MyHC-peri, MyHC-pn, gtMHC-F
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MYH8
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MYH8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human MYH8.

Purity/Specificity: Anti-MYH8 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. MYH8 antibody is human, mouse and rat reactive. MYH8 antibody is predicted to not cross-react with other members of the myosin heavy chain family.

Relevant Links:

- [UniProtKB - P13535](#)
- [GeneID - 4626](#)
- [NCBI - NP_002463](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-MYH8 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 223 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: 1:10,000-1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 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

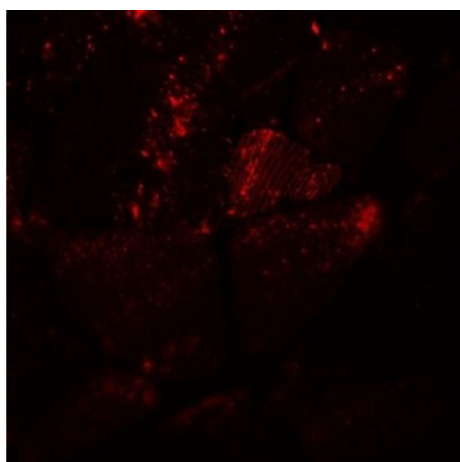
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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

Images



Immunofluorescence Microscopy

Immunofluorescence of MYH8.

Tissue: mouse skeletal muscle tissue.

Primary Antibody: MYH8 antibody at 20 µg/ml.

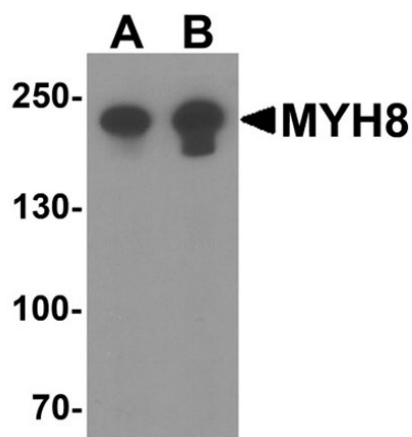


Immunohistochemistry

Immunohistochemistry of MYH8.

Tissue: mouse skeletal muscle tissue.

Primary Antibody: MYH8 antibody at 5 µg/ml.

**Western Blot**

Western blot of MYH8.

Load: HeLa cell lysate.

Primary Antibody: MYH8 antibody at (A) 0.5 and (B) 1 µg/ml.

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.