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 Ca2+ 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

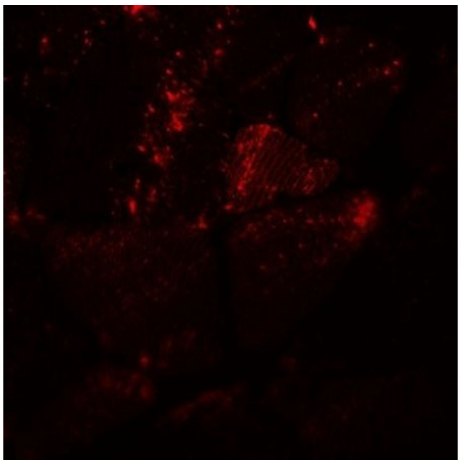
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

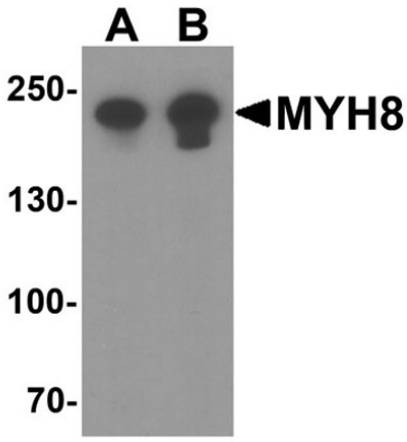
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

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