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Datasheet for 600-401-CW7

MYH3 Antibody

Overview

Description:	Anti-MYH3 (RABBIT) Antibody - 600-401-CW7
Item No.:	600-401-CW7
Size:	100 µg
Applications:	ELISA, 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). MYH3 (myosin, heavy chain, skeletal muscle, embryonic) plays a significant role in skeletal muscle development (2) and is also essential for the proper morphology and function of the developing heart (3). Mutations in this gene have been associated with Freeman-Sheldon syndrome and Sheldon-Hall syndrome (4).
Synonyms:	Myosin heavy chain 3, Myosin-3, Myosin heavy chain skeletal muscle embryonic, HEMHC, MYHC-EMB, MYHSE1, SMHCE
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MYH3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MYH3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human MYH3.

Purity/Specificity:	Anti-MYH3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. MYH3 antibody is human, mouse and rat reactive. MYH3 antibody is predicted to not cross-react with other members of the myosin heavy chain family.
Relevant Links:	• UniProtKB - P11055 • GeneID - 4621 • NCBI - NP_002461

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-MYH3 Antibody has been tested for use in ELISA, Immunohistochemistry, and Western Blotting. Expect a band at approximately 224 kDa in Western Blots of specific cell lysates and tissues. Western Blot in human samples and Immunohistochemistry in mouse samples. Specific conditions for reactivity should be optimized by the end user.
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
IHC:	5 µg/mL
WB:	1-2 µg/mL

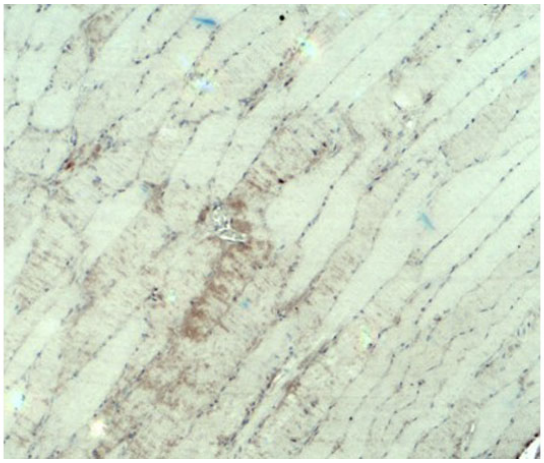
Formulation

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

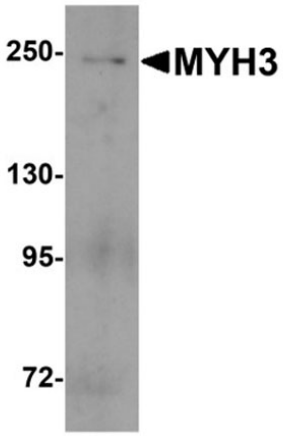
Shipping & Handling

Shipping Condition:	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 MYH3.
Tissue: mouse skeletal muscle tissue.
Primary Antibody: MYH3 antibody at 5 µg/ml.



Western Blot
Western blot of MYH3.
Load: fetal human skeletal muscle lysate.
Primary Antibody: MYH3 antibody at 1 µg/ml.

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