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Datasheet for ABIN6992099 anti-MYH8 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	MYH8
Binding Specificity:	AA 60-110, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYH8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	MYH8 antibody was raised against a 19 amino acid peptide near the amino terminus of human MYH8. The immunogen is located within amino acids 60 - 110 of MYH8.
Isotype:	IgG
Specificity:	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.
Purification:	MYH8 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MYH8
Alternative Name:	MYH8 (MYH8 Products)

Target 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).
Molecular Weight:	Predicted: 213 kDa Observed: 220 kDa
Gene ID:	4626
NCBI Accession:	NP_002463
UniProt:	P13535

Application Details

Application Notes:	MYH8 antibody can be used for detection of MYH8 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MYH8 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	MYH8 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.