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Product datasheet for TA349135

Myosin heavy chain 8 (MYH8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MYH8 antibody was raised against a 19 amino acid peptide near the amino terminus of human MYH8.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	MYH8 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 213 kDa; Observed: 220 kDa
Gene Name:	myosin, heavy chain 8, skeletal muscle, perinatal
Database Link:	NP_002463 Entrez Gene 4626 Human P13535
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).

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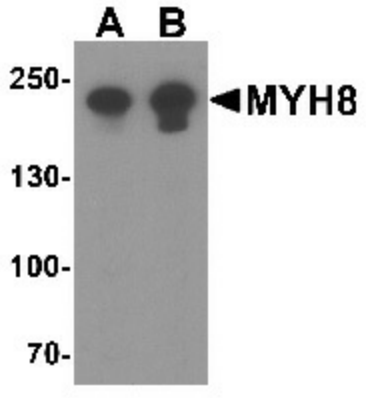
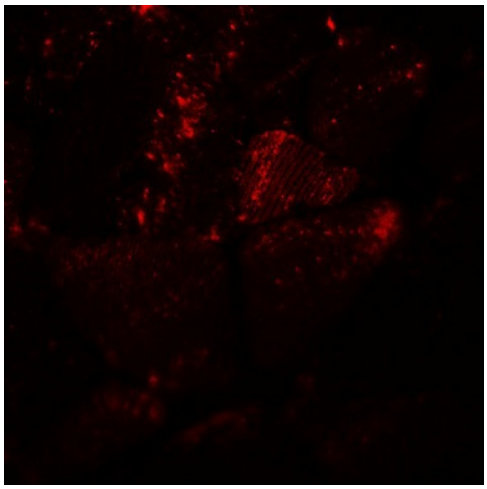
Synonyms: Myosin heavy chain 8, Myosin-8, Myosin heavy chain skeletal muscle perinatal, MyHC-perinatal, MyHC-peri, MyHC-pn, gtMHC-F

Product images:



Western blot analysis of MYH8 in HeLa cell lysate with MYH8 antibody at (A) 0.5 and (B) 1 ug/mL.

Immunohistochemistry of MYH8 in mouse skeletal muscle tissue with MYH8 antibody at 5 ug/mL.



Immunofluorescence of MYH8 in mouse skeletal muscle tissue with MYH8 antibody at 20 ug/mL.