

TNNI2 Monoclonal Antibody (2F12A11)

Catalog NumberMA5-15911

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rabbit
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	2F12A11		
Immunogen	Purified recombinant fragment of human TNNI2 expressed in E. Coli.		
Conjugate	Unconjugated	ELISA (ELISA)	1:10,000
Form	Liquid	Flow Cytometry (Flow)	1:200-1:400
Concentration	Conc. Not Determined	Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000
Storage buffer	ascites	Western Blot (WB)	1:500-1:2,000
Contains	0.03% sodium azide	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

MA5-15911 targets TNNI2 in indirect ELISA, FACS, IHC, and WB applications and shows reactivity with Human samples. The MA5-15911 immunogen is purified recombinant fragment of human TNNI2 expressed in E. Coli. . MA5-15911 detects TNNI2 which has a predicted molecular weight of approximately 21kDa.

Background/Target Information

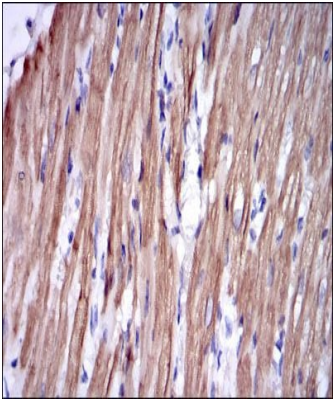
This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced transcript variants have been found for this gene.

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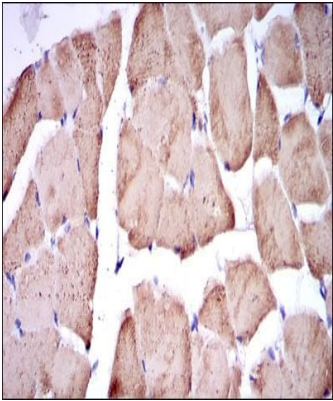
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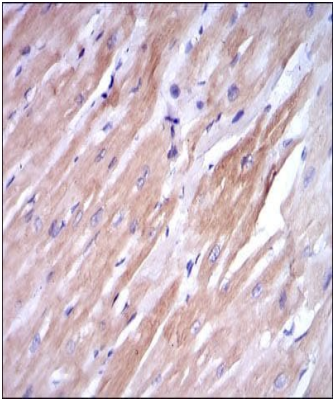
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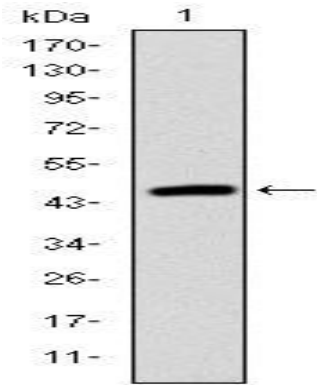
TNNI2 Antibody (MA5-15911) in IHC (P)
Immunohistochemical analysis of paraffin-embedded rabbit cardiac muscle tissues using TNNI2 monoclonal antibody (Product # MA5-15911) followed with DAB staining.



TNNI2 Antibody (MA5-15911) in IHC (P)
Immunohistochemical analysis of paraffin-embedded striated muscle tissues using TNNI2 monoclonal antibody (Product # MA5-15911) followed with DAB staining.



TNNI2 Antibody (MA5-15911) in IHC (P)
Immunohistochemical analysis of paraffin-embedded cardiac muscle tissues using TNNI2 monoclonal antibody (Product # MA5-15911) followed with DAB staining.

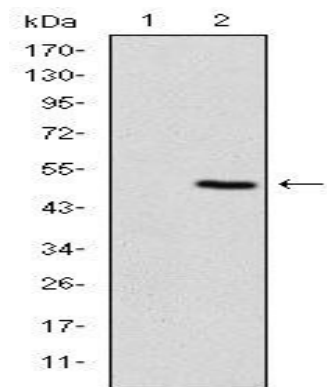


TNNI2 Antibody (MA5-15911) in WB
Western blot analysis of TNNI2 using a TNNI2 monoclonal antibody (Product # MA5-15911) against a human TNNI2 (AA: 1-182) recombinant protein.

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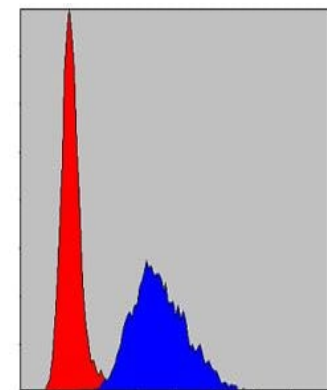
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TNNI2 Antibody (MA5-15911) in WB

Western blot analysis of TNNI2 using TNNI2 monoclonal antibody (Product # MA5-15911) in HEK293 (1) and TNNI2 (AA: 1-182) human IgG Fc transfected HEK293 (2) cell lysate.



TNNI2 Antibody (MA5-15911) in Flow

Flow cytometric analysis of NIH/3T3 cells using TNNI2 monoclonal antibody (Product # MA5-15911) (blue) and negative control (red).

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