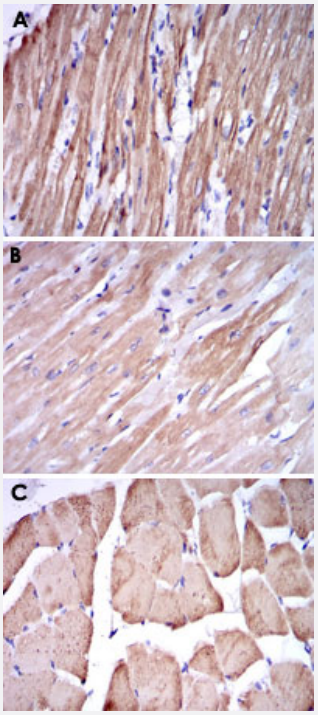
TNNI2 monoclonal antibody, clone 2F12A11

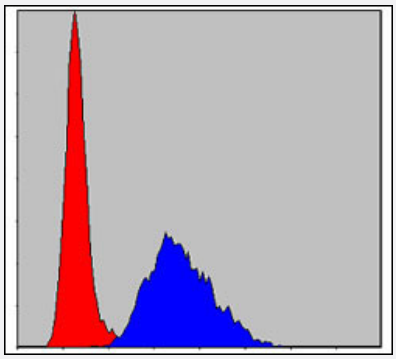
Catalog # MAB10337 Size 100 uL

Applications



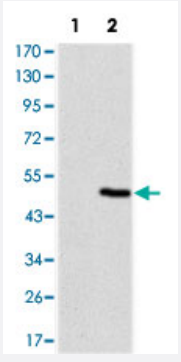
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human rabbit cardiac muscle tissue (A), cardiac muscle tissue (B) and striated muscle tissue (C) using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) with DAB staining.



Flow Cytometry

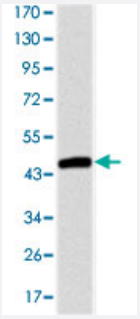
Flow cytometric analysis of NIH/3T3 cells using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) (blue) and negative control (red).



Western Blot (Transfected lysate)

Western blot analysis using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) against HEK293 (1) and TNNI2-hIgGFc transfected HEK293 (2) cell lysate.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Western Blot (Recombinant protein)

Western blot analysis using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) against recombinant human TNNI2 protein.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant TNNI2.
Immunogen	Recombinant protein corresponding to human TNNI2.
Host	Mouse
Theoretical MW (kDa)	21
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human rabbit cardiac muscle tissue (A), cardiac muscle tissue (B) and striated muscle tissue (C) using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) with DAB staining.

- Flow Cytometry

  Flow cytometric analysis of NIH/3T3 cells using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) (blue) and negative control (red).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Transfected lysate)

  Western blot analysis using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) against HEK293 (1) and TNNI2-hIgGFc transfected HEK293 (2) cell lysate.

- Western Blot (Recombinant protein)

  Western blot analysis using TNNI2 monoclonal antobody, clone 2F12A11 (Cat # MAB10337) against recombinant human TNNI2 protein.

Gene Info — TNNI2

Entrez GeneID	7136
Gene Name	TNNI2
Gene Alias	AMCD2B, DA2B, FSSV
Gene Description	troponin I type 2 (skeletal, fast)
Omim ID	191043 601680
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000014141|OTTHUMP00000014142|troponin I fast twitch 2|troponin I, fast-twitch skeletal muscle isoform|troponin I, skeletal, fast

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

Copyright © 2023 Abnova Corporation. All Rights Reserved.