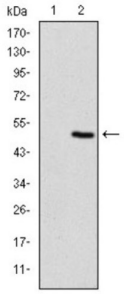
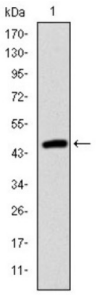
Troponin I, Fast Skeletal Muscle (TNNI2) Antibody

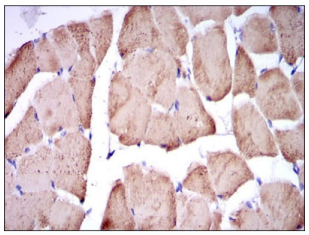
Catalogue No.:abx011978



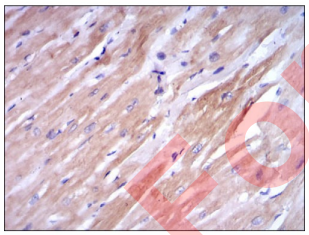
Western blot analysis using TNNI2 antibody against human TNNI2 (AA: 1-182) recombinant protein. (Expected MW is 46.8 kDa).



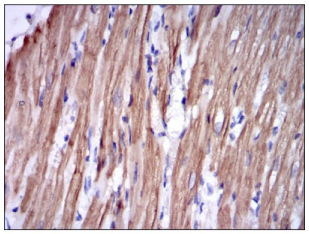
Western blot analysis using TNNI2 antibody against HEK293 (1) and TNNI2 (AA: 1-182) - hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded rabbit cardiac muscle tissues using TNNI2 antibody with DAB staining.

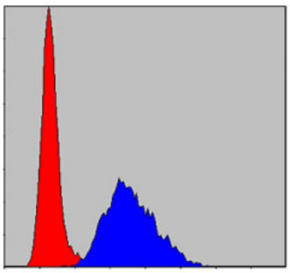


Immunohistochemical analysis of paraffin-embedded cardiac muscle tissues using TNNI2 antibody with DAB staining.

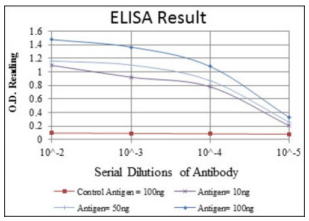


Immunohistochemical analysis of paraffin-embedded striated muscle tissues using TNNI2 antibody with DAB staining.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com



Flow cytometric analysis of NIH/3T3 cells using TNNI2 antibody (blue) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Target:	Troponin I, Fast Skeletal Muscle (TNNI2)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human TNNI2 expressed in E. coli.
Isotype:	IgG_1

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P48788 (UniProt, ExPASy)
Gene Symbol:	TNNI2
GeneID:	7136
OMIM:	191043
HGNC:	11946
KEGG:	hsa:7136
Ensembl:	ENSG00000130598
String:	9606.ENSP00000371331
Molecular Weight:	21 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com