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Datasheet for ABIN7101727

anti-TNNI2 antibody

2 Images

Overview

Quantity:	20 µL
Target:	TNNI2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TNNI2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human Troponin I2 (Troponin I2 (TNNI2))
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	TNNI2
Alternative Name:	TNNI2 (TNNI2 Products)
Background:	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

Target Details

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, Mar 2009],AMCD2B, DA2B, FSSV, fsTnl,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Microfilaments,Signal Transduction,TNNI2

Molecular Weight: 21 kDa

Gene ID: 7136

UniProt: [P48788](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

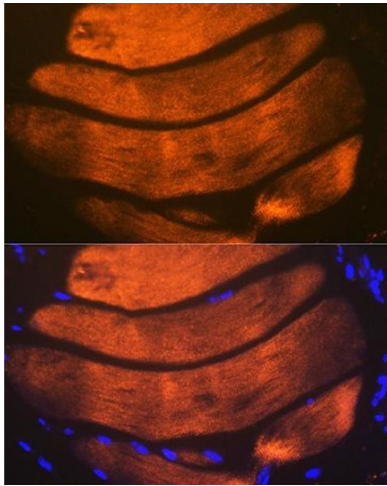
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

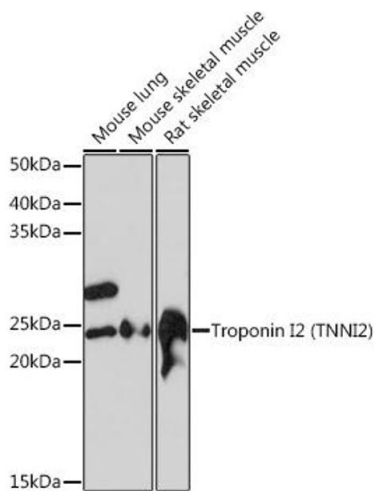
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of mouse bone marrow using Troponin I2 (Troponin I2 (TNNI2)) Rabbit mAb (ABIN1679777, ABIN7101727, ABIN7101728 and ABIN7101729) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Troponin I2 (Troponin I2 (TNNI2)) Rabbit mAb (ABIN1679777, ABIN7101727, ABIN7101728 and ABIN7101729) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.