

Datasheet for ABIN7266088
anti-Cardiac Troponin T2 antibody

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Cardiac Troponin T2 (cTnT)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Cardiac Troponin T2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Cardiac troponin T (TNNT2) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Cardiac Cardiac troponin T (TNNT2) (TNNT2)
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Cardiac Troponin T2 (cTnT)
Alternative Name:	TNNT2 (cTnT Products)
Background:	The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex,

Target Details

which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq, Jul 2008],CMD1D, CMH2, CMPD2, LVNC6, RCM3, TnTC, cTnT,Cardiovascular,Cardiovascular Markers,Cardiovascular Markers_Cardiomyocytes,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Microfilaments,Heart,Heart_Contractility,Mesenchymal Stem Cells,Signal Transduction,Stem Cells,TNNT2

Molecular Weight: 36kDa

Gene ID: 7139

UniProt: [P45379](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

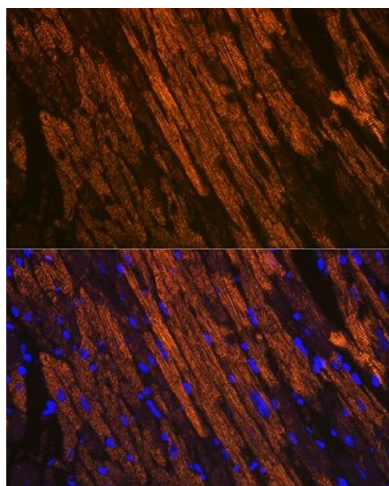
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

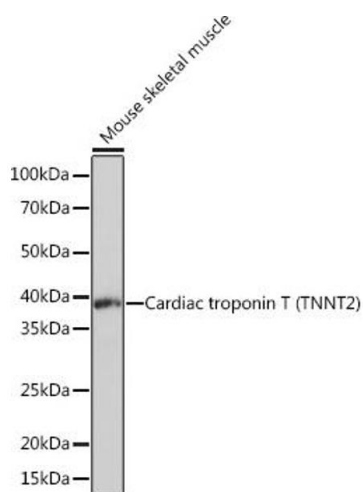
Storage: -20 °C

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



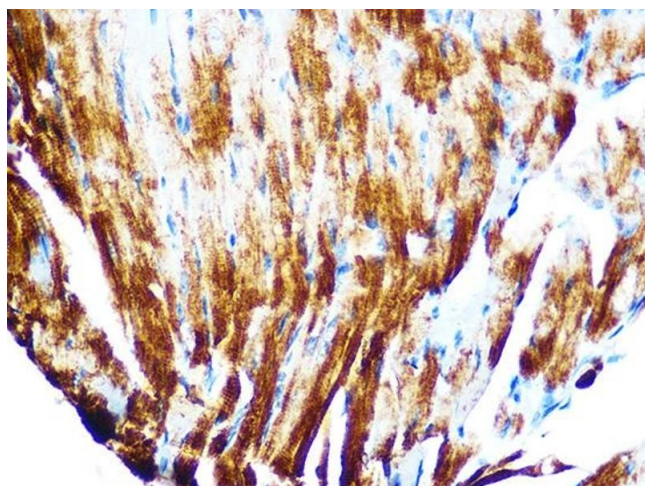
Immunofluorescence

Image 1. Immunofluorescence analysis of mouse heart using Cardiac Cardiac troponin T (TNNT2) (TNNT2) Rabbit mAb (ABIN7266088) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse skeletal muscle, using Cardiac Cardiac troponin T (TNNT2) (TNNT2) Rabbit mAb (ABIN7266088) at 1:10000 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.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse heart using Cardiac Cardiac troponin T (TNNT2) (TNNT2) Rabbit mAb (ABIN7266088) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7266088.