

Cardiac troponin T (TNNT2) Rabbit mAb

Catalog No.: A4914 **Recombinant** **12 Publications**

Basic Information

Observed MW

Refer to figures

Calculated MW

31-36 kDa

Category

Primary antibody

Applications

IF-P,IF-F,IHC-P,ELISA

Cross-Reactivity

Human,Mouse, Rat

CloneNo number

ARC1242

Background

This gene encodes the cardiac isoform of troponin T. The encoded protein is the tropomyosin-binding subunit of the troponin complex, 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.

Recommended Dilutions

IF-P	1:50 - 1:200
IF-F	1:100 - 1:400
IHC-P	1:200 - 1:800

Immunogen Information

Gene ID

7139

Swiss Prot

P45379

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 199-298 of human Cardiac troponin T (TNNT2) (P45379).

Synonyms

CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6; Cardiac troponin T (TNNT2)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

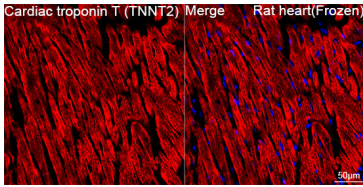
Affinity purification

Storage

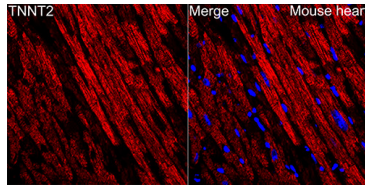
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

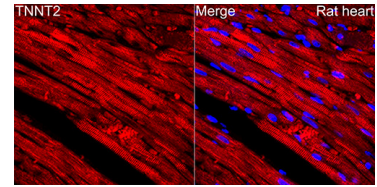
Validation Data



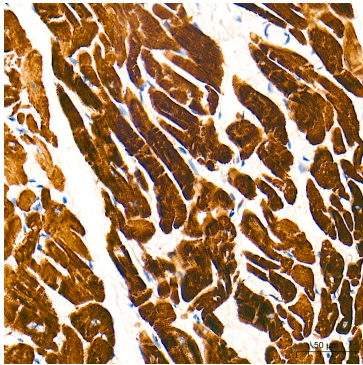
Confocal imaging of frozen sections of Rat heart tissue using Cardiac troponin T (TNNT2) Rabbit mAb (A4914, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



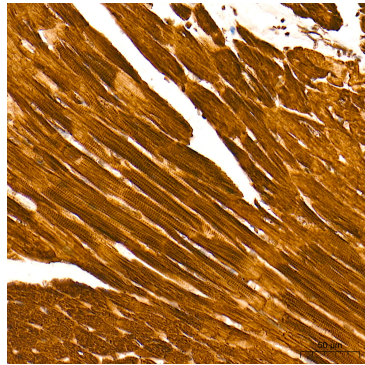
Immunofluorescence analysis of paraffin-embedded mouse heart using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



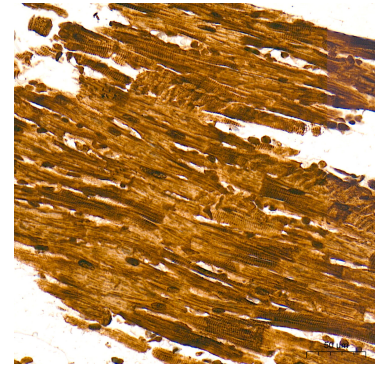
Immunofluorescence analysis of paraffin-embedded rat heart using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human heart tissue using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.