

cTNT Rabbit pAb

Catalog No.: A25223

Basic Information

Observed MW

Refer to figures

Calculated MW

34kDa

Category

Primary antibody

Applications

ELISA,IF/ICC

Cross-Reactivity

Mouse, Rat

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/ICC 1:50 - 1:200

Immunogen Information

Gene ID

7139

Swiss Prot

P45379-6

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 1-288 of human cTNT (NP_001001430.1).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

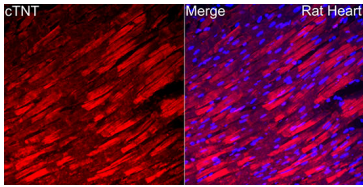
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Immunofluorescence analysis of paraffin-embedded Rat heart tissue using cTNT Rabbit pAb (A25223) at a 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. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.