

# 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

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

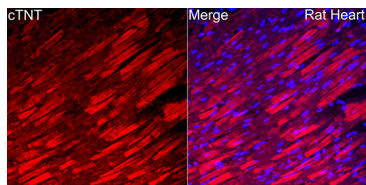
### Storage

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

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

## Validation Data

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Immunofluorescence analysis of paraffin-embedded Rat heart tissue using cTNT Rabbit pAb (A25223) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 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.