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## 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,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

**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**

| <u>a</u>  | 400-999-6126              |
|-----------|---------------------------|
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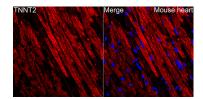
## **Product Information**

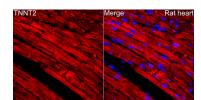
SourceIsotypePurificationRabbitIgGAffinity purification

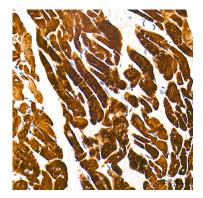
## **Storage**

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.



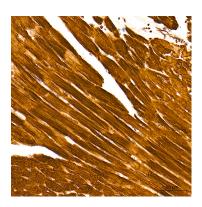




Immunofluorescence analysis of paraffinembedded mouse heart using Cardiac troponin T (TNNT2) Rabbit mAb (A4914) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of paraffinembedded 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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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.