

For Research Use Only

# Cardiac Troponin T Polyclonal antibody



Catalog Number: 15513-1-AP

46 Publications

## Basic Information

Catalog Number:

15513-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7716

GenBank Accession Number:

BC002653

GeneID (NCBI):

7139

UNIPROT ID:

P45379

Full Name:

troponin T type 2 (cardiac)

Calculated MW:

36 kDa

Observed MW:

34-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : mouse heart tissue, human heart tissue, mouse skeletal muscle tissue, rat heart tissue

IHC : mouse heart tissue, mouse skeletal muscle tissue

IF : mouse heart tissue,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Jie Shen	36085540	Hum Cell	WB,IF
XiaoLin Sun	32963547	Stem Cells Int	FC,IF
Xueyi Weng	36266658	J Nanobiotechnology	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

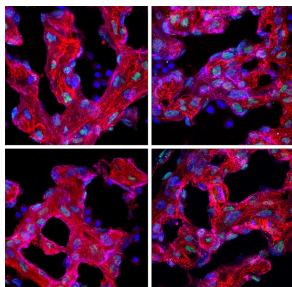
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

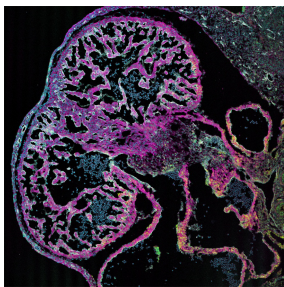
Selected Validation Data



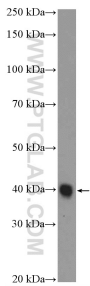
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (red, Cat. No 15513-1-AP), CD31/PECAM-1 (magenta), and Arl13B (green, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (blue). cTnT stains cardiomyocytes and was visualized with an Alexa Fluor 555 secondary antibody. CD31 stains endocardial/endothelial cells and was visualized with an Alexa Fluor 647 secondary



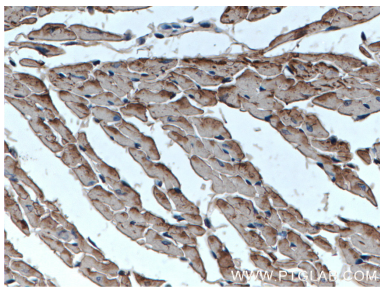
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15513-1-AP (Cardiac Troponin T antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



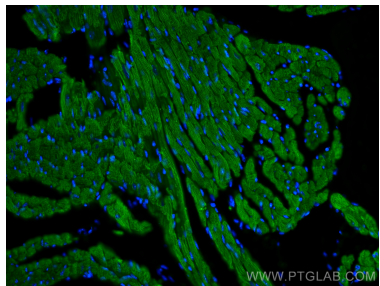
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (magenta, Cat. No 15513-1-AP), CD31/PECAM-1 (white), and Arl13B (yellow, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (cyan). cTnT stains cardiomyocytes and was visualized with an Alexa Fluor 555 secondary antibody and psedocolored to magenta. CD31 stains endocardial/endothelial cells and was visualized with an Alexa Fluor 647 secondary



mouse heart tissue were subjected to SDS PAGE followed by western blot with 15513-1-AP (Cardiac Troponin T antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15513-1-AP (Cardiac Troponin T antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Cardiac Troponin T antibody (15513-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).