

For Research Use Only

# Cardiac Troponin T Polyclonal antibody



Catalog Number: 15513-1-AP

46 Publications

## Basic Information

<b>Catalog Number:</b> 15513-1-AP	<b>GenBank Accession Number:</b> BC002653	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7139	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> troponin T type 2 (cardiac)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 36 kDa	
<b>Immunogen Catalog Number:</b> AG7716	<b>Observed MW:</b> 34-40 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> FC, IF, IHC, WB	<b>WB :</b> mouse heart tissue, human heart tissue, mouse skeletal muscle tissue, rat heart tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse heart tissue, mouse skeletal muscle tissue
<b>Cited Species:</b> human, rat, mouse, pig	<b>IF :</b> mouse heart tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

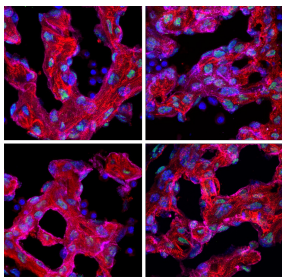
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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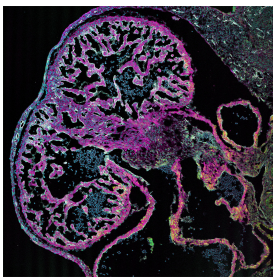
Selected Validation Data



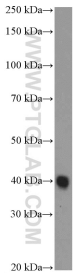
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (red, Cat. No 15513-1-AP), CD31/PECAM-1 (magenta), and Arl13B (green, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (blue). cTnT stains cardiomyocytes and was visualized with an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



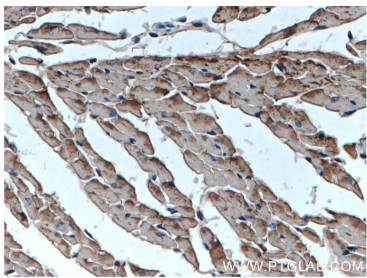
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15513-1-AP (Cardiac Troponin T antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



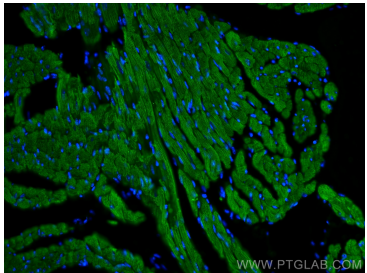
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (magenta, Cat. No 15513-1-AP), CD31/PECAM-1 (white), and Arl13B (yellow, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (cyan). cTnT stains cardiomyocytes and was visualized with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



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).