

For Research Use Only

Cardiac Troponin T Polyclonal antibody

Catalog Number: 15513-1-AP

66 Publications



Basic Information

Catalog Number: 15513-1-AP	GenBank Accession Number: BC002653	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 7139	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF-P 1:50-1:500 IF-Fro 1:50-1:500
Source: Rabbit	UNIPROT ID: P45379	
Isotype: IgG	Full Name: troponin T type 2 (cardiac)	
Immunogen Catalog Number: AG7716	Calculated MW: 36 kDa	
	Observed MW: 34-40 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, IF-Fro, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, pig, zebrafish

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-P : mouse heart tissue,

IF-Fro : mouse heart tissue,

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

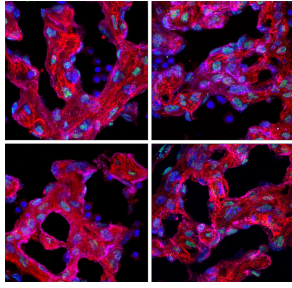
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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

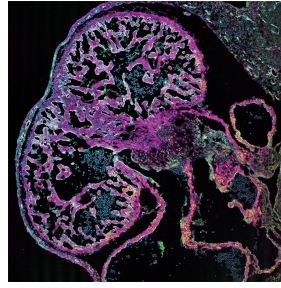
Selected Validation Data



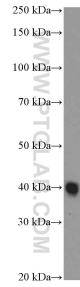
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (red, Cat. No 15513-1-AP), CD31/PECAM-1 (magenta), and Arl13B (green, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (blue). cTnT stains cardiomyocytes and was visualized with an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



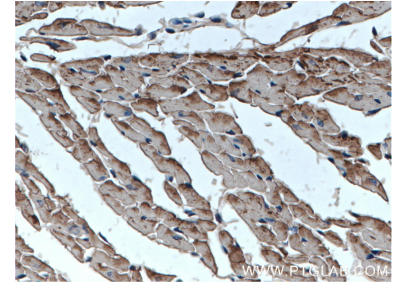
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15513-1-AP (Cardiac Troponin T antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



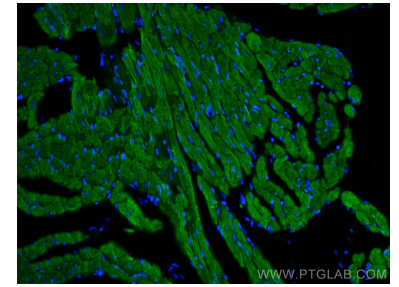
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (magenta, Cat. No 15513-1-AP), CD31/PECAM-1 (white), and Arl13B (yellow, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (cyan). cTnT stains cardiomyocytes and was visualized with 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 Goat Anti-Rabbit IgG(H+L).