

For Research Use Only

TMOD1 Polyclonal antibody

Catalog Number: 10145-1-AP

6 Publications



Basic Information

Catalog Number:

10145-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0192

GenBank Accession Number:

BC002660

GeneID (NCBI):

7111

UNIPROT ID:

P28289

Full Name:

tropomodulin 1

Calculated MW:

41 kDa

Observed MW:

41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:200-1:800

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 brain tissue, mouse heart, mouse skeletal muscle, rat brain

IHC : mouse heart tissue,

IF-P : mouse heart tissue,

Background Information

Actin filaments control cell morphology. The length of these filaments is regulated in muscle and nonmuscle cell types by tropomodulins 1-4 (Tmod1-4), a family of proteins that cap the pointed ends of actin filaments. The molecular weight of Tmod 1 is about 40 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Tomoki Ushijima	29158260	J Biol Chem	IF
Noriko Fujimoto	26848968	PLoS One	IF
Danuta E Dukala	26662919	Glia	WB

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

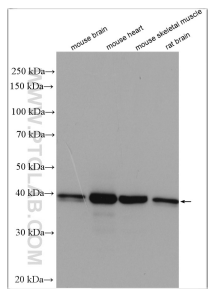
For technical support and original validation data for this product please contact:

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

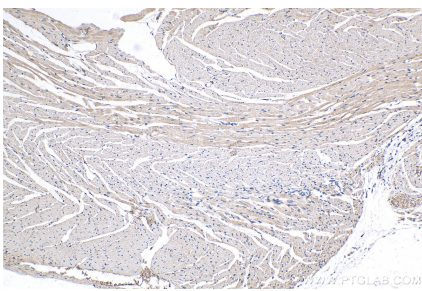
E: proteintech@ptglab.com
W: ptglab.com

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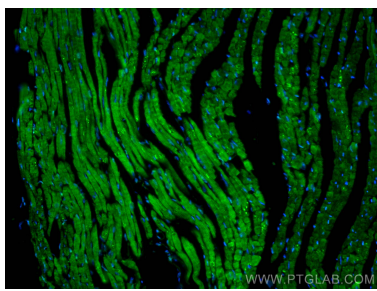
Selected Validation Data



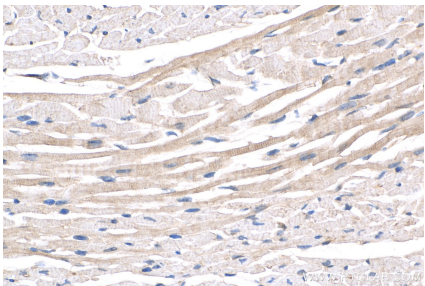
Various lysates were subjected to SDS PAGE followed by western blot with 10145-1-AP (TMOD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



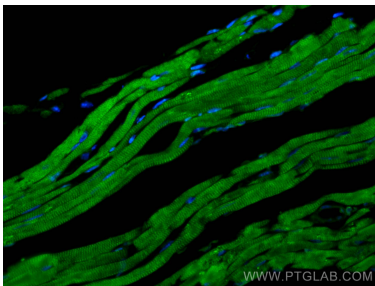
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10145-1-AP (TMOD1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using TMOD1 antibody (10145-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10145-1-AP (TMOD1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using TMOD1 antibody (10145-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).