

For Research Use Only

TMOD1 Polyclonal antibody

Catalog Number: 10145-1-AP **6 Publications**



Basic Information

Catalog Number: 10145-1-AP	GenBank Accession Number: BC002660	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 7111	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P28289	
Isotype: IgG	Full Name: tropomodulin 1	
Immunogen Catalog Number: AG0192	Calculated MW: 41 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls: WB : mouse brain tissue, mouse heart, mouse skeletal muscle, rat brain IHC : mouse heart tissue, IF : mouse heart tissue,
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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

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

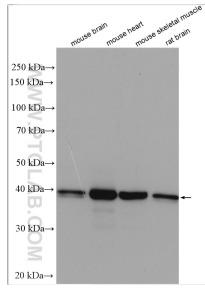
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

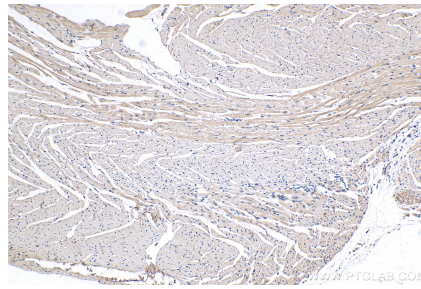
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

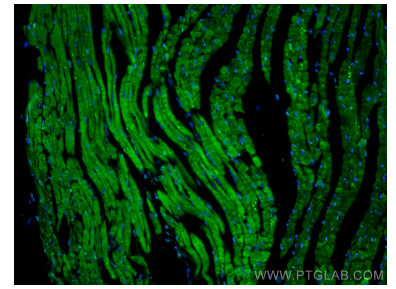
Selected Validation Data



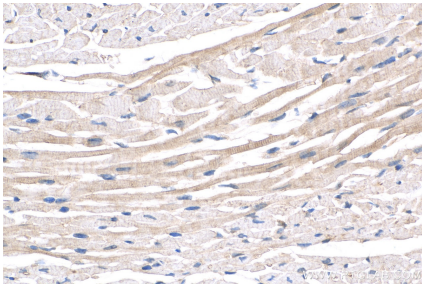
Various lysates were subjected to SDS PAGE followed by western blot with 10145-1-AP (TMOD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



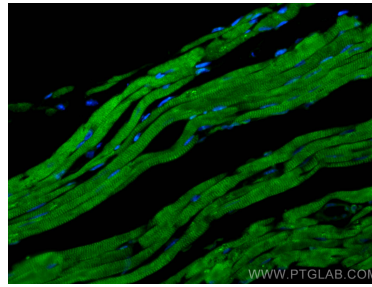
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10145-1-AP (TMOD1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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