

For Research Use Only

# TNNT1 Monoclonal antibody

Catalog Number: 68631-1-Ig



## Basic Information

Catalog Number:	68631-1-Ig	GenBank Accession Number:	BC022086	Purification Method:	Protein A purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	7138	CloneNo.:	1B1D5
Source:	Mouse	UNIPROT ID:	P13805	Recommended Dilutions:	WB 1:5000-1:50000
Isotype:	IgG1	Full Name:	troponin T type 1 (skeletal, slow)	IHC	1:500-1:2000
Immunogen Catalog Number:	AG8919	Calculated MW:	252aa,27 kDa; 192aa,21 kDa	IF/ICC	1:500-1:2000
		Observed MW:	30-35 kDa		

## Applications

Tested Applications:  
WB, IHC, IF/ICC, ELISA

Species Specificity:  
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 : rat skeletal muscle tissue, mouse skeletal muscle tissue

IHC : rat skeletal muscle tissue, mouse skeletal muscle tissue

IF/ICC : hTERT-RPE1 cells,

## Storage

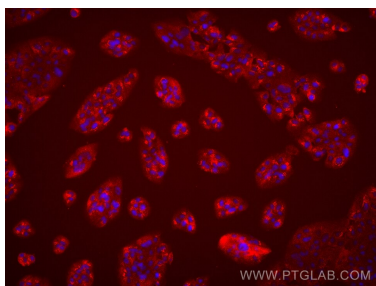
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

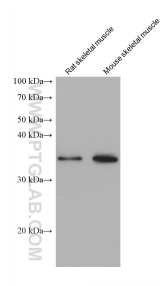
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

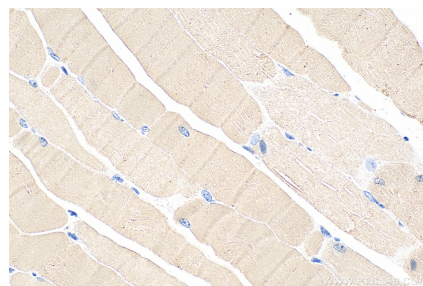
## Selected Validation Data



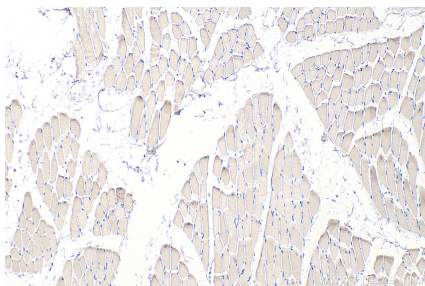
Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using TNNT1 antibody (68631-1-Ig, Clone: 1B1D5) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



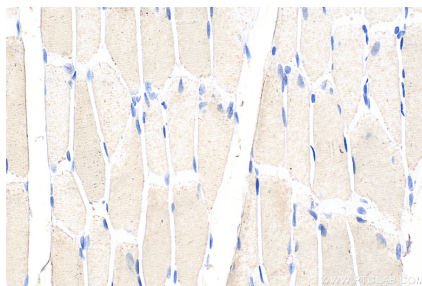
Various lysates were subjected to SDS PAGE followed by western blot with 68631-1-Ig (TNNT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 68631-1-Ig (TNNT1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 68631-1-Ig (TNNT1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 68631-1-Ig (TNNT1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).