

For Research Use Only

TNNI2 Polyclonal antibody

Catalog Number: 22130-1-AP **4 Publications**



Basic Information

Catalog Number:

22130-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17750

GenBank Accession Number:

BC032148

GeneID (NCBI):

7136

UNIPROT ID:

P48788

Full Name:

troponin I type 2 (skeletal, fast)

Calculated MW:

182 aa, 21 kDa

Observed MW:

21-26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:20000-1:100000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 skeletal muscle tissue, rat skeletal muscle tissue

IP: mouse skeletal muscle tissue,

IHC: mouse skeletal muscle tissue, human skeletal muscle tissue

IF-P: mouse skeletal muscle tissue,

Notable Publications

Author	Pubmed ID	Journal	Application
Kensuke Ihara	33110103	Sci Rep	WB
Nagakatsu Harada	32451822	J Muscle Res Cell Motil	WB
William J Valentine	35095541	Front Physiol	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

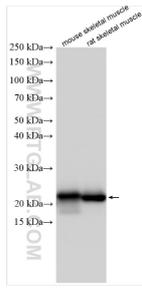
For technical support and original validation data for this product please contact:

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

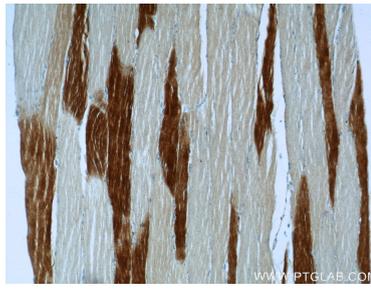
E: proteintech@ptglab.com
W: ptglab.com

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

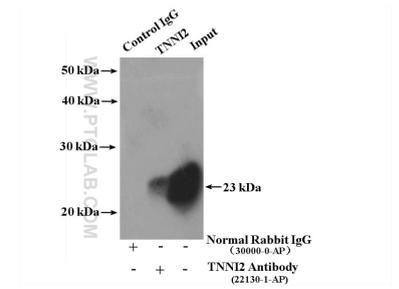
Selected Validation Data



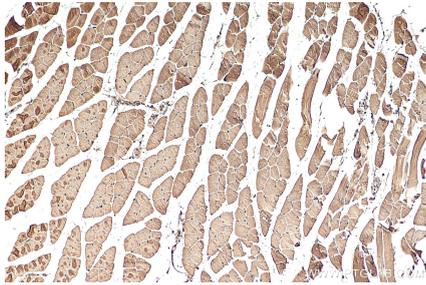
Various lysates were subjected to SDS PAGE followed by western blot with 22130-1-AP (TNNI2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



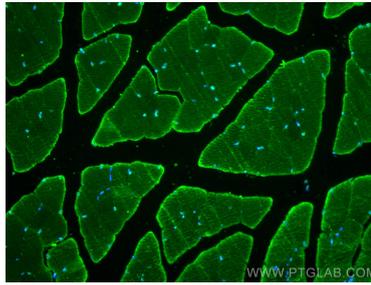
Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 22130-1-AP (TNNI2 Antibody) at dilution of 1:50.



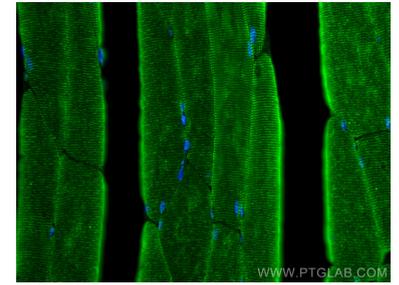
IP result of anti-TNNI2 (IP:22130-1-AP, 4ug; Detection:22130-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 22130-1-AP (TNNI2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using TNNI2 antibody (22130-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using TNNI2 antibody (22130-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).