

For Research Use Only

# TNNC1 Polyclonal antibody, PBS Only

Catalog Number: 13504-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

13504-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4339

**GenBank Accession Number:**

BC030244

**GeneID (NCBI):**

7134

**UNIPROT ID:**

P63316

**Full Name:**

troponin C type 1 (slow)

**Calculated MW:**

161 aa, 18 kDa

**Observed MW:**

18 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. TnC plays an important role in excitation-contraction coupling and is the primary target of compounds such as levosimendan that augment Ca<sup>2+</sup> responsiveness of the thin filament.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

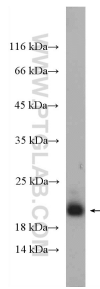
For technical support and original validation data for this product please contact:

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

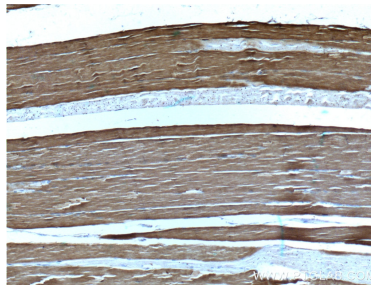
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

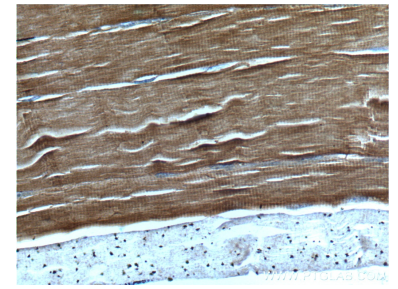
## Selected Validation Data



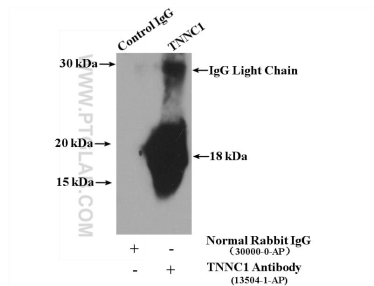
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 13504-1-AP (TNNC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.



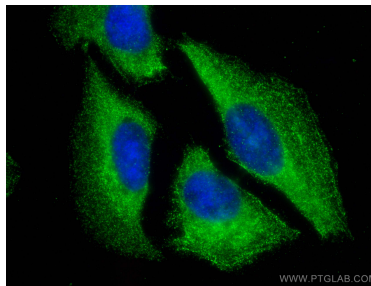
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 13504-1-AP (TNNC1 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.



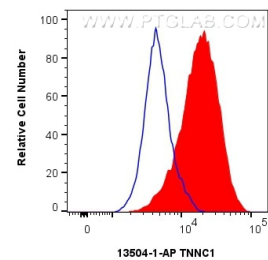
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 13504-1-AP (TNNC1 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.



IP result of anti-TNNC1 (IP:13504-1-AP, 4ug; Detection:13504-1-AP 1:600) with mouse heart tissue lysate 4400ug. This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using TNNC1 antibody (13504-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.4 ug TNNC1 Polyclonal antibody (13504-1-AP) and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 13504-1-PBS in a different storage buffer formulation.