

For Research Use Only

# TRIM63 Polyclonal antibody

Catalog Number: 55456-1-AP

Featured Product

67 Publications



## Basic Information

**Catalog Number:**

55456-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_032588

**GeneID (NCBI):**

84676

**UNIPROT ID:**

Q969Q1

**Full Name:**

tripartite motif-containing 63

**Calculated MW:**

40 kDa

**Observed MW:**

40-45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

IHC 1:20-1:200

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, chicken, rat, mouse, zebrafish, pig, canine

**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, mouse heart tissue, rat skeletal muscle tissue

**IHC** : human heart tissue, mouse skeletal muscle tissue, rat brain tissue, mouse heart tissue, human skeletal muscle tissue

**IF** : HeLa cells,

## Background Information

TRIM63, also named as IRF, MURF1, RNF28 and SMRZ, is E3 ubiquitin ligase. It regulates proteasomal degradation of cardiac troponin I/TNNI3 and probably of other sarcomeric-associated proteins. TRIM63 may play a role in striated muscle atrophy and hypertrophy by regulating an anti-hypertrophic PKC-mediated signaling pathway. It may regulate the organization of myofibrils through TTN in muscle cells. TRIM63 is in muscle-specific expression.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenliang Zhang	34580406	Sci Rep	WB
Huiquan Liu	31615487	BMC Complement Altern Med	WB
Lai Wang	33034787	Cell Biol Toxicol	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

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

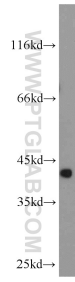
T: 4006900926

E: Proteintech-CN@ptglab.com

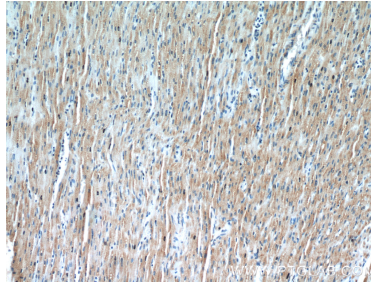
W: ptgcn.com

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

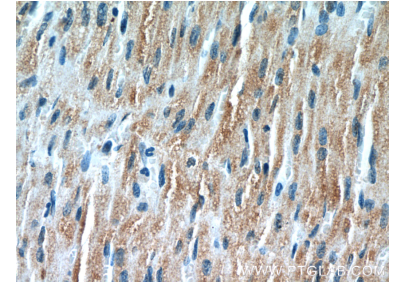
## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 55456-1-AP (TRIM63 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



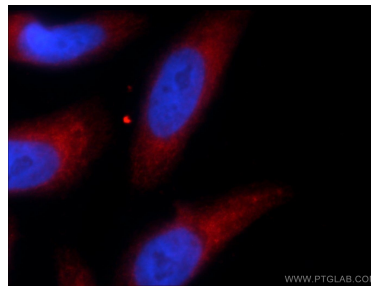
Immunohistochemical analysis of paraffin-embedded human heart using 55456-1-AP (TRIM63 antibody) at dilution of 1:50 (under 10x lens).



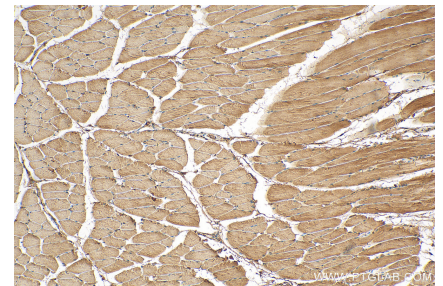
Immunohistochemical analysis of paraffin-embedded human heart using 55456-1-AP (TRIM63 antibody) at dilution of 1:50 (under 40x lens).



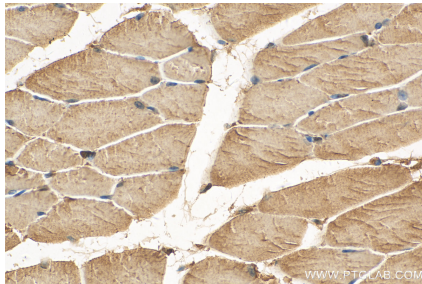
Various lysates were subjected to SDS PAGE followed by western blot with 55456-1-AP (TRIM63 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 55456-1-AP (TRIM63 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 55456-1-AP (TRIM63 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 55456-1-AP (TRIM63 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).