

For Research Use Only

# TRIM63 Polyclonal antibody

Catalog Number: 55456-1-AP

Featured Product

42 Publications



## Basic Information

<b>Catalog Number:</b> 55456-1-AP	<b>GenBank Accession Number:</b> NM_032588	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 µg/ml by Nanodrop and 667 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84676	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> tripartite motif-containing 63	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

**Tested Applications:**  
IF, IHC, WB, ELISA

**Cited Applications:**  
IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, pig, rat, zebrafish

**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, 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. This antibody is specific to TRIM63.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenliang Zhang	34580406	Sci Rep	WB
Manfeng Wang	32964508	Exp Physiol	WB
Huiquan Liu	31615487	BMC Complement Altern Med	WB

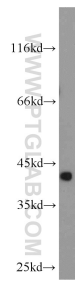
## Storage

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

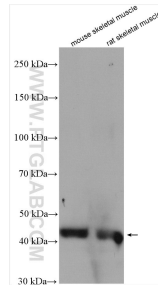
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

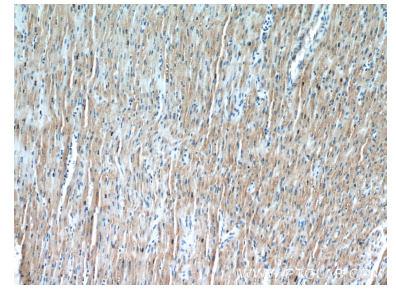
## Selected Validation Data



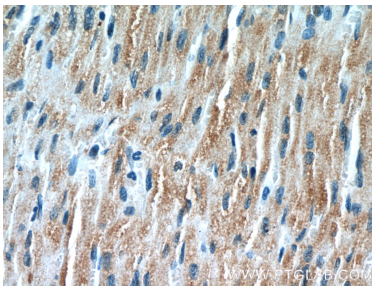
mouse heart tissue were subjected to SDS PAGE followed by western blot with 55456-1-AP (TRIM63 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



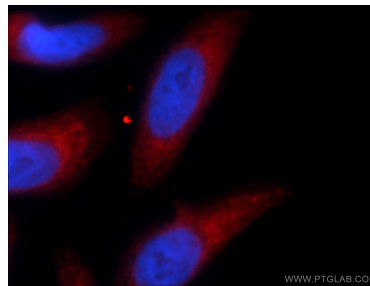
Various lysates were subjected to SDS PAGE followed by western blot with 55456-1-AP (TRIM63 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



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