

For Research Use Only

# TRIM54 Polyclonal antibody

Catalog Number: 21074-1-AP

5 Publications



## Basic Information

### Catalog Number:

21074-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15229

### GenBank Accession Number:

BC141807

### GeneID (NCBI):

57159

### UNIPROT ID:

Q9BYV2

### Full Name:

tripartite motif-containing 54

### Calculated MW:

358 aa, 40 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### 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 heart tissue, human skeletal muscle tissue, human heart tissue

**IHC** : human heart tissue, human skeletal muscle tissue

**IF/ICC** : HepG2 cells,

## Background Information

TRIM54 (Tripartite motif-containing protein 54) is also names as MURF, MURF3, RNF30. The expression of TRIM54 is required for skeletal myoblast differentiation and myotube fusion. It is expressed in heart and skeletal muscle specifically (PMID:11243782). It has two isoforms with the molecular weight of 40KDa and 45KDa. It can be dimerized and hetero-dimerized to form homooligomer and heterooligomer (PMID:15967462).

## Notable Publications

Author	Pubmed ID	Journal	Application
Bowen Hu	33993634	J Cell Mol Med	WB
Jinrong Zhu	34956880	Front Oncol	WB
Makoto Hosoya	39448766	Sci Rep	

## 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

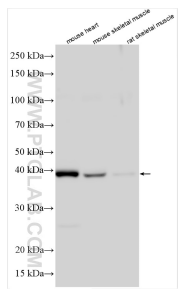
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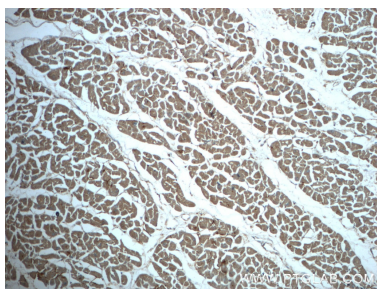
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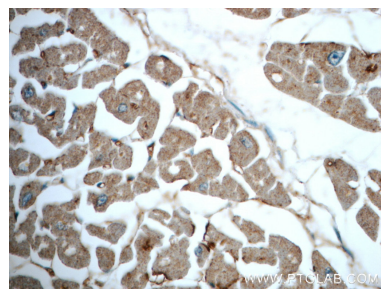
Selected Validation Data



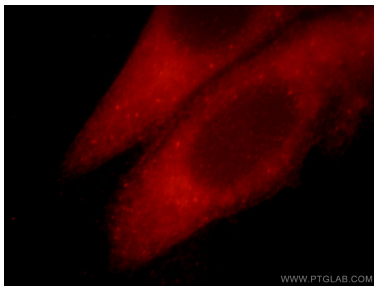
mouse heart tissue were subjected to SDS PAGE followed by western blot with 21074-1-AP (TRIM54 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart slide using 21074-1-AP (TRIM54 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human heart slide using 21074-1-AP (TRIM54 Antibody) at dilution of 1:50.



Immunofluorescent analysis of HepG2 cells, using TRIM54 antibody 21074-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



human heart tissue were subjected to SDS PAGE followed by western blot with 21074-1-AP (TRIM54 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.