

For Research Use Only

TRIM54 Polyclonal antibody

Catalog Number: 21074-1-AP

5 Publications



Basic Information

Catalog Number:

21074-1-AP

Concentration:

650 µg/ml

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

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

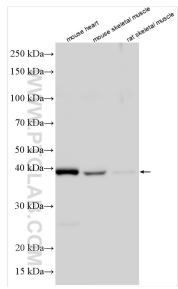
T: 4006900926

E: Proteintech-CN@ptglab.com

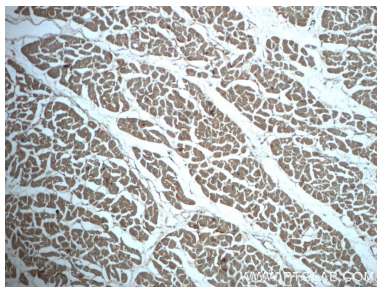
W: ptgcn.com

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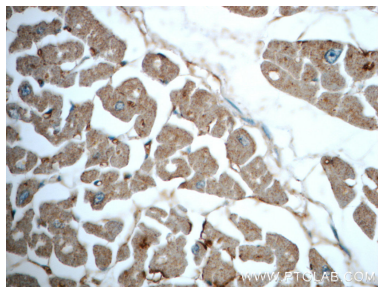
Selected Validation Data



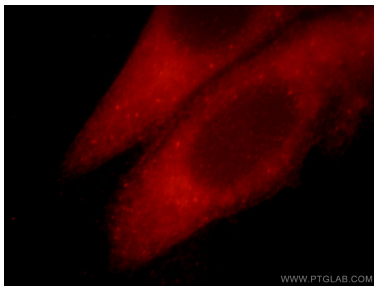
mouse heart tissue were subjected to SDS PAGE followed by western blot with 21074-1-AP (TRIM54 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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.