

# TRIM55 Polyclonal antibody

Catalog Number: 27274-1-AP

## Basic Information

|                                      |                                                                          |                                                                                   |
|--------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Catalog Number:<br>27274-1-AP        | GenBank Accession Number:<br>BC007750                                    | Purification Method:<br>Antigen affinity purification                             |
| Size:<br>700 µg/ml                   | GeneID (NCBI):<br>84675                                                  | Recommended Dilutions:<br>WB 1:500-1:2000<br>IHC 1:50-1:500<br>IF/ICC 1:200-1:800 |
| Source:<br>Rabbit                    | UNIPROT ID:<br>Q9BYV6                                                    |                                                                                   |
| Isotype:<br>IgG                      | Full Name:<br>tripartite motif-containing 55                             |                                                                                   |
| Immunogen Catalog Number:<br>AG25338 | Calculated MW:<br>548 aa, 60 kDa<br>Observed MW:<br>60-65 kDa, 75-80 kDa |                                                                                   |

## Applications

Tested Applications:  
IF/ICC, IHC, WB, ELISA

Species Specificity:  
human, mouse, rat

**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 : C2C12 cells,

IHC : human liver cancer tissue, human heart tissue

IF/ICC : HeLa cells,

## Background Information

Tripartite motif-containing 55 (TRIM55), which is also called muscle-specific ring finger 2 (Murf2), has been indicated to participate in the natural development of muscle and the cardiovascular system. The expression of TRIM55 also inhibited several markers of cancer stem-like cells (PMID: 34974792). MURF2 mRNA studies revealed up to four potential isoforms generated by differential splicing events within the 3' -region of the gene: p60, p50, p27, and p60B MURF2 isoforms. The change in the ratio of E3 ligase isoforms regulates the sequential activation of proteasomal or autophagic degradation of target components (PMID: 15199100, PMID: 24124537). This antibody could detect multiple isoforms or post-translational modifications of TRIM55.

## 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:

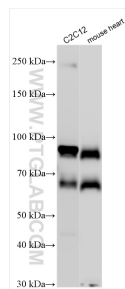
T: 4006900926

E: Proteintech-CN@ptglab.com

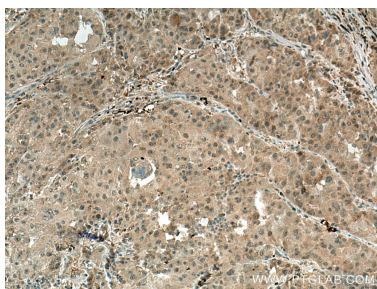
W: ptgcn.com

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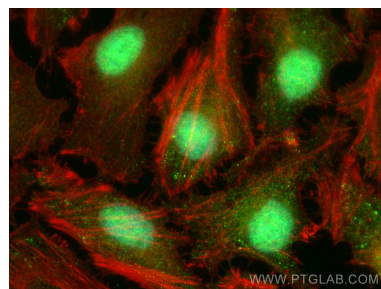
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27274-1-AP (TRIM55 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27274-1-AP (TRIM55 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRIM55 antibody (27274-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).