

For Research Use Only

# TRIM55 Polyclonal antibody

Catalog Number: 27274-1-AP



## Basic Information

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

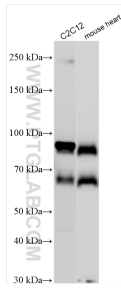
T: 4006900926

E: Proteintech-CN@ptglab.com

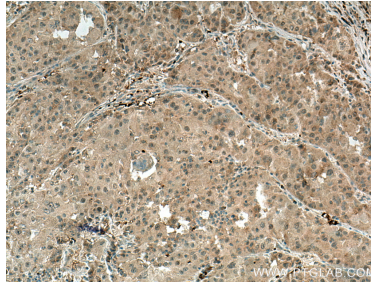
W: ptgcn.com

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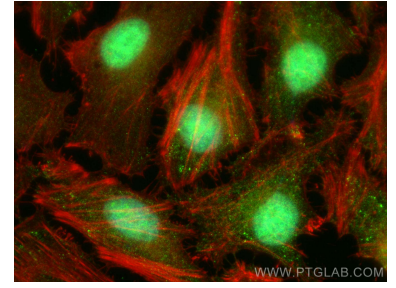
## Selected Validation Data



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).