

For Research Use Only

TRIM55 Polyclonal antibody

Catalog Number: 27274-1-AP



Basic Information

Catalog Number: 27274-1-AP	GenBank Accession Number: BC007750	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84675	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9BYV6	IHC 1:50-1:500
Isotype: IgG	Full Name: tripartite motif-containing 55	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG25338	Calculated MW: 548 aa, 60 kDa	
	Observed MW: 60-65 kDa 75-80 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, 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

*** 20ul sizes contain 0.1% BSA

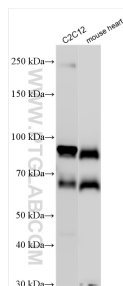
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

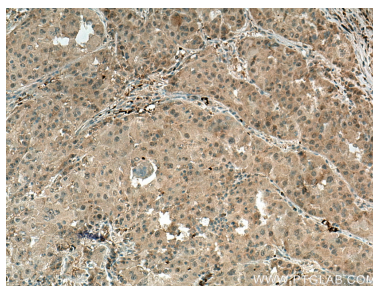
E: proteintech@ptglab.com
W: ptglab.com

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

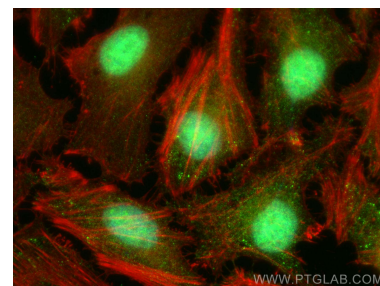
Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).