

For Research Use Only

TRIM54 Recombinant antibody

Catalog Number: 83175-2-RR



Basic Information

Catalog Number: 83175-2-RR	GenBank Accession Number: BC141807	Purification Method: Protein A purification
Size: 100ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 57159	CloneNo.: 230391G5
Source: Rabbit	UNIPROT ID: Q9BYV2	Recommended Dilutions: WB 1:2000-1:14000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: tripartite motif-containing 54	
Immunogen Catalog Number: AG15229	Calculated MW: 358 aa, 40 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : human heart tissue, mouse heart tissue IF/ICC : C2C12 cells, 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).

Storage

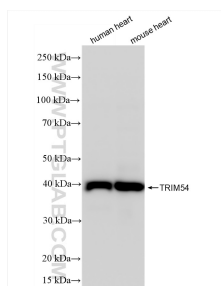
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

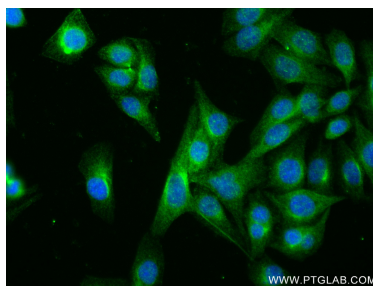
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

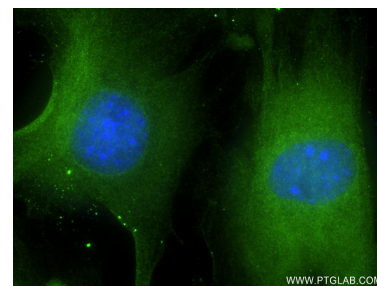
Selected Validation Data



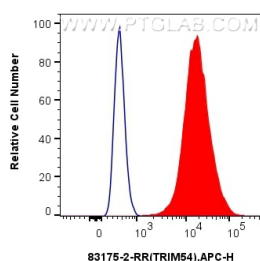
Various lysates were subjected to SDS PAGE followed by western blot with 83175-2-RR (TRIM54 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



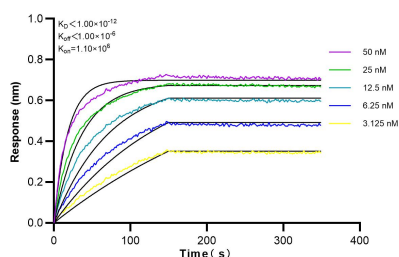
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TRIM54 antibody (83175-2-RR, Clone: 230391G5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using TRIM54 antibody (83175-2-RR, Clone: 230391G5) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 MCF-7 cells were intracellularly stained with 0.25 μ g Trim54 Recombinant Antibody (83175-2-RR, Clone:230391G5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83175-2-RR against Human TRIM54 were performed. The affinity constant is below 1 pM.