

For Research Use Only

TRIM33 Polyclonal antibody

Catalog Number: 55374-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

55374-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015906

GeneID (NCBI):

51592

UNIPROT ID:

Q9UPN9

Full Name:

tripartite motif-containing 33

Calculated MW:

122 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: COLO 320 cells, MCF-7 cells, PC-3 cells

IHC: human lung cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

TRIM33, also named as KIAA1113, RFG7 and TIF1G, belongs to the TRIM/RBCC family. It acts as an E3 ubiquitin-protein ligase. TRIM33 promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. It may act as a transcriptional repressor. It inhibits the transcriptional response to TGF-beta/BMP signaling cascade. TRIM33 plays a role in the control of cell proliferation. Its association with SMAD2 and SMAD3, TRIM33 stimulates erythroid differentiation of hematopoietic stem/progenitor. Defects in TRIM33 are a cause of thyroid papillary carcinoma (TPC). This antibody is specific to TRIM33. The calculated molecular weight of TRIM33 is 122kDa, but the molecular weight of detected is about 140-150 kDa as the same as the result from the paper(PMID:25639486;26592194).

Notable Publications

Author	Pubmed ID	Journal	Application
Orhi Barroso-Gomila	34795231	Nat Commun	WB,IF
Fang Wang	35929141	Technol Cancer Res Treat	WB,IHC
Ji Liu	40274778	Cell Death Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

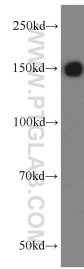
For technical support and original validation data for this product please contact:

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

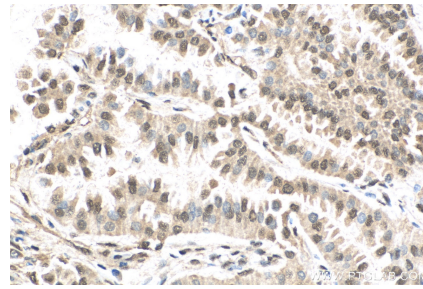
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 55374-1-AP (TRIM33 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55374-1-AP (TRIM33 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).