

For Research Use Only

TRIM33 Polyclonal antibody

Catalog Number: 55374-1-AP **1 Publications**



Basic Information

Catalog Number: 55374-1-AP	GenBank Accession Number: NM_015906	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51592	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: tripartite motif-containing 33	
Isotype: IgG	Calculated MW: 122 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : COLO 320 cells, MCF-7 cells, PC-3 cells
Cited Applications: IF, WB	
Species Specificity: human	
Cited Species: human	

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

Storage

Storage:
Store at -20°C.
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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.