

For Research Use Only

RNF144A Polyclonal antibody

Catalog Number: 26144-1-AP **2 Publications**



Basic Information

Catalog Number: 26144-1-AP	GenBank Accession Number: BC050373	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9781	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: P50876	
Isotype: IgG	Full Name: ring finger protein 144A	
Immunogen Catalog Number: AG23508	Observed MW: 33 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls: WB : MDA-MB-231 cells, IP : CHO cells,
Cited Applications: WB	
Species Specificity: human, hamster	
Cited Species: human	

Background Information

RNF144A (Ring Finger protein 144A) as the first E3 ubiquitin ligase for cytosolic DNA-PKcs, is induced in a p53-dependent manner during DNA damage and targets cytosolic DNA-PKcs for ubiquitination and degradation. RNF144A is an RBR-containing protein, and is unstable and degraded through the proteasome-dependent pathway (PMID: 24979766). RNF144A contains an RBR domain in the N-terminus and a potential single-transmembrane (TM) domain in the C-terminus, and is distributed in both plasma membrane and the membranes of intracellular vesicles including endosomes, lysosomes, endoplasmic reticulum (ER), perinuclear vesicles, and others, which might be caused by the presence of the TM domain (PMID: 37955227).

Notable Publications

Author	Pubmed ID	Journal	Application
Bo Yang	39608349	Autophagy	WB
Bo Yang	37955227	EMBO Rep	WB

Storage

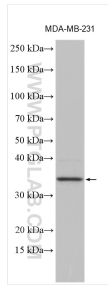
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

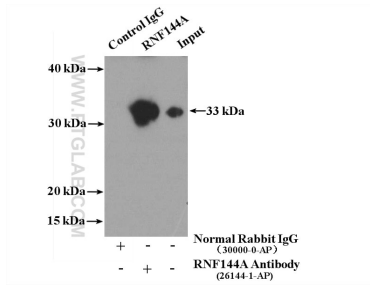
For technical support and original validation data for this product please contact:
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Selected Validation Data



MDA-MB-231 cells were subjected to SDS PAGE followed by western blot with 26144-1-AP (RNF144A antibody) at dilution of 1:1500 and incubated at room temperature for 1.5 hours.



IP result of anti-RNF144A (IP:26144-1-AP, 4ug; Detection:26144-1-AP 1:300) with CHO cells lysate 3100ug.