

For Research Use Only

RNF144A Polyclonal antibody

Catalog Number: 26144-1-AP

2 Publications



Basic Information

Catalog Number:

26144-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23508

GenBank Accession Number:

BC050373

GeneID (NCBI):

9781

UNIPROT ID:

P50876

Full Name:

ring finger protein 144A

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, hamster

Cited Species:

human

Positive Controls:

WB : MDA-MB-231 cells,

IP : CHO cells,

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

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

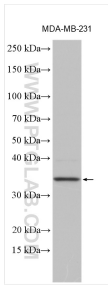
T: 4006900926

E: Proteintech-CN@ptglab.com

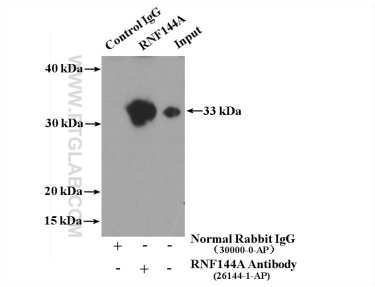
W: ptgcn.com

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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.