

For Research Use Only

RNF2 Polyclonal antibody

Catalog Number: 16031-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

16031-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8900

GenBank Accession Number:

BC012583

GeneID (NCBI):

6045

UNIPROT ID:

Q99496

Full Name:

ring finger protein 2

Calculated MW:

336 aa, 38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : K-562 cells, HEK-293 cells, human brain tissue, NIH/3T3 cells, U-937 cells

IP : K-562 cells,

IF/ICC : HeLa cells,

Background Information

RNF2 (also known as ding, Ring1B or Ring2) is a member of the Ring finger protein family, which functions as E3 ubiquitin ligase for monoubiquitination of histone H2A at lysine 119 (H2AK119ub). Many studies have demonstrated that overexpressed RNF2 was involved in the pathological progression of multiple cancers and has an impact on their clinical features. For instance, the upregulated expression level of RNF2 is positively correlated with the occurrence and progression of hepatocellular carcinoma, melanoma, prostate cancer, breast cancer, pancreatic cancer, gastric cancer, and bladder urothelial carcinoma, as well as with the radioresistance of lung cancer and chemoresistance of ovarian cancer (PMID: 33400276). The molecular weight of RNF2 is 38 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Jingyuan Sun	33087136	J Exp Clin Cancer Res	WB
Jiwei Wang	34670117	Biochim Biophys Acta Mol Cell Res	WB, IHC, CoIP
Qi Yan	33816485	Front Cell Dev Biol	WB, IF

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

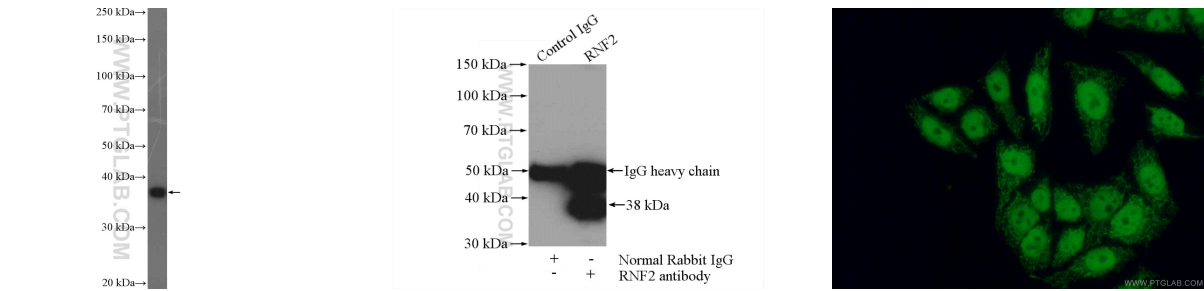
For technical support and original validation data for this product please contact:

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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.

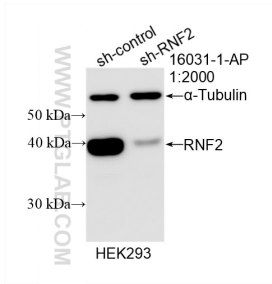
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 16031-1-AP (RNF2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

IP result of anti-RNF2 (IP:16031-1-AP, 4ug; Detection:16031-1-AP 1:800) with K-562 cells lysate 1200ug.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 16031-1-AP (RNF2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of RNF2 antibody (16031-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RNF2 transfected HEK-293 cells.