

For Research Use Only

RNF181 Polyclonal antibody

Catalog Number: 20408-1-AP

1 Publications



Basic Information

Catalog Number: 20408-1-AP	GenBank Accession Number: BC002803	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51255	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9P0P0	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: ring finger protein 181	IHC 1:20-1:200
Immunogen Catalog Number: AG14233	Calculated MW: 153 aa, 18 kDa	IF/ICC 1:50-1:500
	Observed MW: 18 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Cited Applications: WB	WB : Jurkat cells, L02 cells
Species Specificity: human, mouse	IP : Jurkat cells,
	IHC : human kidney tissue, human heart tissue
	IF/ICC : HepG2 cells,
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

RNF181, also named as HSPC238, is a 153 amino acid protein, which belongs to the RNF181 family. RNF181 is widely expressed, with highest levels in liver and heart and lowest levels in brain and skeletal muscle. RNF181 as a E3 ubiquitin-protein ligase, accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Western blot analysis detected RNF181 protein in human platelets as a 36-kD dimer and an 18-kD monomer.

Notable Publications

Author	Pubmed ID	Journal	Application
Jia-Yu Tan	26398855	Oncol Rep	WB

Storage

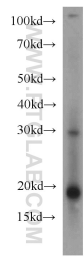
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

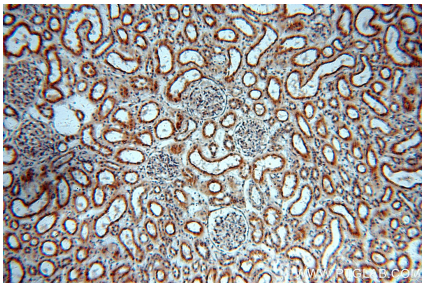
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

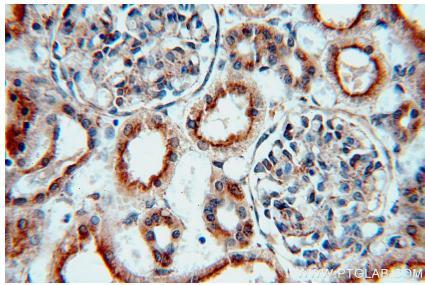
Selected Validation Data



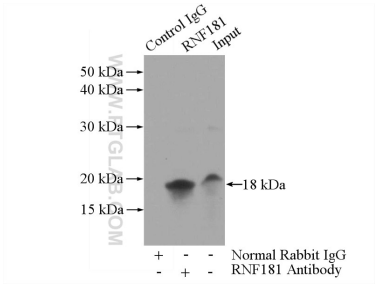
Jurkat cells were subjected to SDS PAGE followed by western blot with 20408-1-AP (RNF181 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



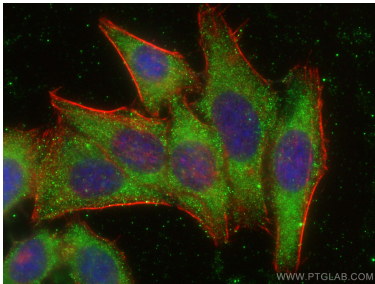
Immunohistochemical analysis of paraffin-embedded human kidney using 20408-1-AP (RNF181 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 20408-1-AP (RNF181 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-RNF181 (IP:20408-1-AP, 3ug; Detection:20408-1-AP 1:500) with Jurkat cells lysate 1200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RNF181 antibody (20408-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).