

For Research Use Only

# RPN2 Polyclonal antibody

Catalog Number: 10576-1-AP

Featured Product

4 Publications



## Basic Information

### Catalog Number:

10576-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0862

### GenBank Accession Number:

BC003560

### GeneID (NCBI):

6185

### UNIPROT ID:

P04844

### Full Name:

ribophorin II

### Calculated MW:

69 kDa

### Observed MW:

68-69 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, RIP, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : NIH/3T3 cells,

IP : NIH/3T3 cells,

IHC : human lung cancer tissue, human ovary tumor tissue

## Background Information

RPN2 (Ribophorin II), an integral rough ER membrane glycoprotein, is part of an N-oligosaccharyl transferase complex and is involved in translocation and the maintenance of the structural uniqueness of the rough ER. RPN2 expression has been reported to be significantly associated with solid cancers, including breast cancer, esophageal squamous cell carcinoma, colorectal cancer, and lung squamous cell carcinoma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chenglin Han	33727825	Onco Targets Ther	IHC
Feilong Hong	29942140	Onco Targets Ther	WB,IHC
Boyan Li	36168628	Theranostics	RIP

## 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

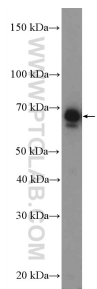
For technical support and original validation data for this product please contact:

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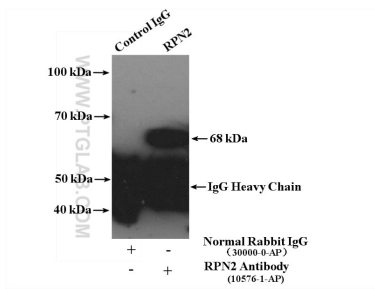
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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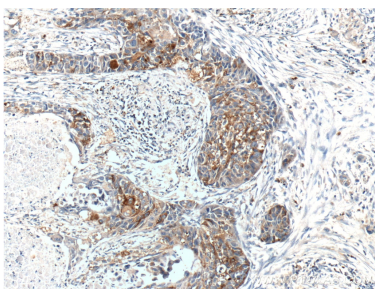
Selected Validation Data



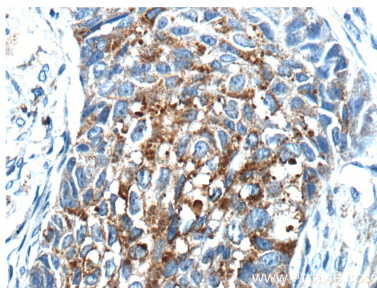
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10576-1-AP (RPN2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-RPN2 (IP:10576-1-AP, 4ug; Detection:10576-1-AP 1:700) with NIH/3T3 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10576-1-AP (RPN2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10576-1-AP (RPN2 Antibody) at dilution of 1:200 (under 40x lens).