

For Research Use Only

# MRPS23 Polyclonal antibody

Catalog Number: 18345-1-AP

3 Publications



## Basic Information

### Catalog Number:

18345-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13144

### GenBank Accession Number:

BC000242

### GeneID (NCBI):

51649

### UNIPROT ID:

Q9Y3D9

### Full Name:

mitochondrial ribosomal protein S23

### Calculated MW:

22 kDa

### Observed MW:

23-25 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

IHC 1:200-1:800

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**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 : HepG2 cells, MCF-7 cells

IP : HeLa cells,

IHC : human liver cancer tissue,

IF/ICC : HeLa cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Liangliang Min	39286071	Heliyon	WB
Taru Hilander	39015150	iScience	WB
Yuyang Liu	37917749	Science	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

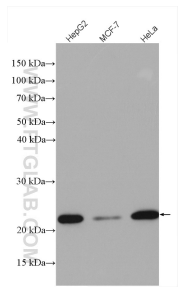
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

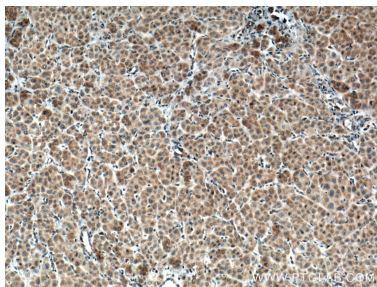
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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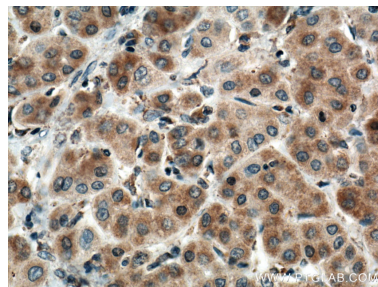
Selected Validation Data



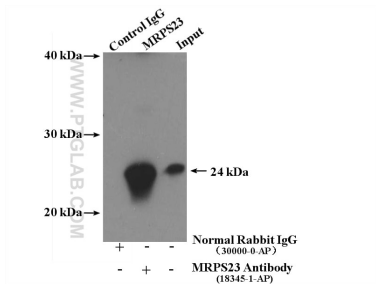
Various lysates were subjected to SDS PAGE followed by western blot with 18345-1-AP (MRPS23 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



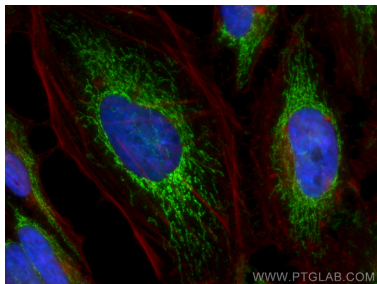
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18345-1-AP (MRPS23 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18345-1-AP (MRPS23 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MRPS23 (IP:18345-1-AP, 4ug; Detection:18345-1-AP 1:300) with HeLa cells lysate 2600ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MRPS23 antibody (18345-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).