

For Research Use Only

# MRPS23 Polyclonal antibody

Catalog Number: 18345-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 18345-1-AP	<b>GenBank Accession Number:</b> BC000242	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 51649	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y3D9	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> mitochondrial ribosomal protein S23	IHC 1:200-1:800
<b>Immunogen Catalog Number:</b> AG13144	<b>Calculated MW:</b> 22 kDa	IF 1:50-1:500
	<b>Observed MW:</b> 23-25 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, MCF-7 cells
<b>Cited Applications:</b> WB	IP : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	IHC : human liver cancer tissue,
<b>Cited Species:</b> human	IF : HeLa 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

### Notable Publications

Author	Pubmed ID	Journal	Application
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

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

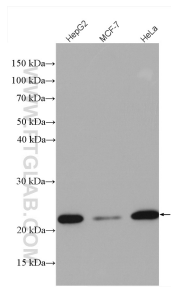
T: 4006900926

E: Proteintech-CN@ptglab.com

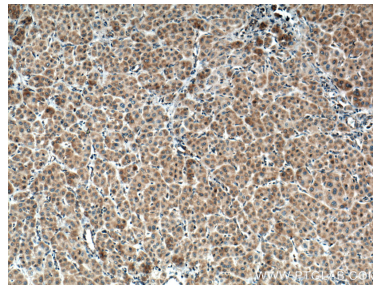
W: ptgcn.com

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

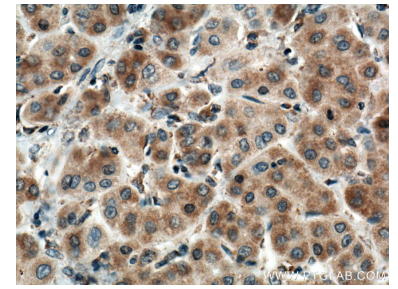
## Selected Validation Data



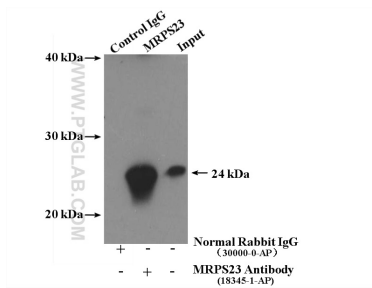
Various lysates were subjected to SDS PAGE followed by western blot with 18345-1-AP (MRPS23 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



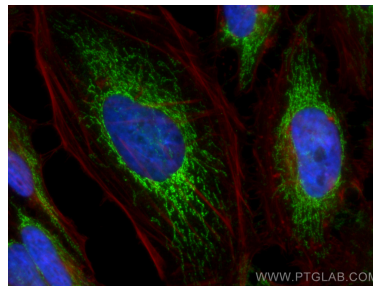
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18345-1-AP (MRPS23 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).