

For Research Use Only

# MIB1 Polyclonal antibody

Catalog Number: 11893-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

11893-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2507

### GenBank Accession Number:

BC022403

### GeneID (NCBI):

57534

### UNIPROT ID:

Q86YT6

### Full Name:

mindbomb homolog 1 (Drosophila)

### Calculated MW:

110 kDa

### Observed MW:

110 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 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IP

### 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**: human brain tissue, HEK-293 cells, mouse brain tissue, rat brain tissue

**IP**: K-562 cells,

**IHC**: human kidney tissue, mouse brain tissue

## Background Information

MIB1(Mind bomb homolog 1) is an E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. MIB1, identified as an interactor of death associated protein kinase (DAPK), probably regulate apoptosis through ubiquitination and degradation of DAPK, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis. MIB1 promotes proteasomal degradation of NRF2 and sensitizes lung cancer cells to ferroptosis(PMID: 34670864). In addition, MIB1 upregulates IQGAP1 and promotes pancreatic cancer progression by inducing ST7 degradation(PMID: 33793053).

## Notable Publications

Author	Pubmed ID	Journal	Application
Juan Xiao	36068514	Mol Med	WB
Xinxing Wan	33741899	Cell Death Dis	WB
Yoshihiko Tasaki	33648930	Cancer Res	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

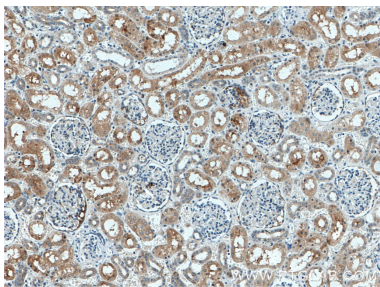
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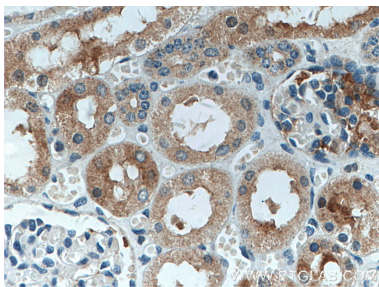
E: proteintech@ptglab.com  
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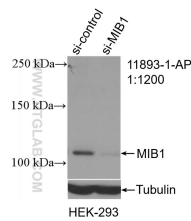
Selected Validation Data



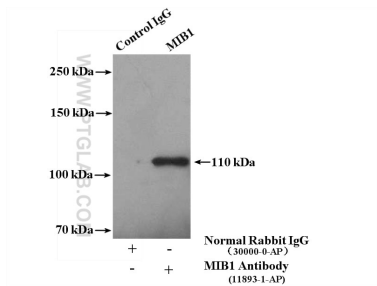
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11893-1-AP (MIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



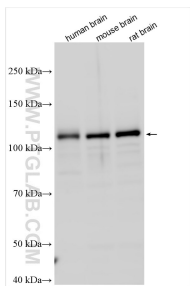
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11893-1-AP (MIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of MIB1 antibody (11893-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-MIB1 transfected HEK-293 cells.



IP result of anti-MIB1 (IP:11893-1-AP, 4ug; Detection:11893-1-AP 1:500) with K-562 cells lysate 3400ug.



Various lysates were subjected to SDS PAGE followed by western blot with 11893-1-AP (MIB1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.