

For Research Use Only

MIB1 Polyclonal antibody

Catalog Number: 11893-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

11893-1-AP

Concentration:

450 ug/ml

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, 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

IF/ICC : U-251 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

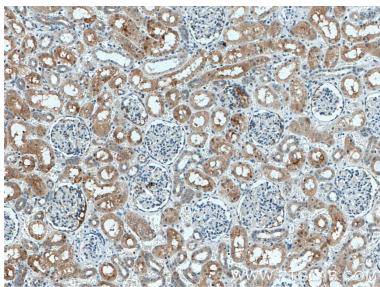
T: 4006900926

E: Proteintech-CN@ptglab.com

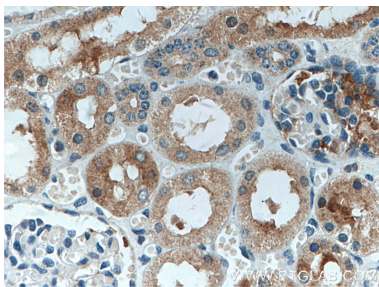
W: ptgcn.com

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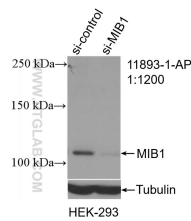
Selected Validation Data



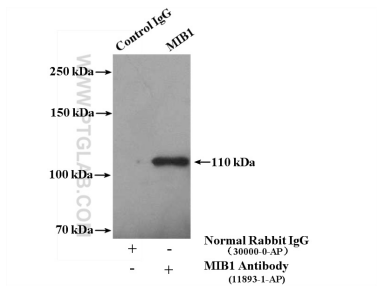
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11893-1-AP (MIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



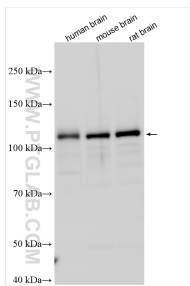
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11893-1-AP (MIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



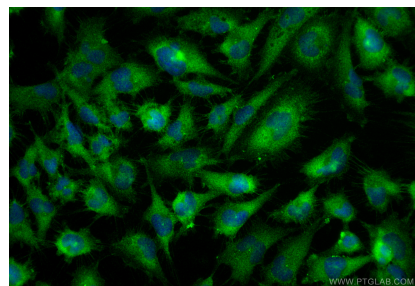
WB result of MIB1 antibody (11893-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-MIB1 transfected HEK-293 cells.



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using MIB1 antibody (11893-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).