

For Research Use Only

# MBIP Polyclonal antibody

Catalog Number: 10685-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

10685-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1061

**GenBank Accession Number:**

BC005197

**GeneID (NCBI):**

51562

**UNIPROT ID:**

Q9NS73

**Full Name:**

MAP3K12 binding inhibitory protein 1

**Calculated MW:**

39 kDa

**Observed MW:**

39 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**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, HEK-293 cells

IP : HEK-293 cells,

IHC : human testis tissue, human lung cancer tissue

IF : HepG2 cells,

## Background Information

MBIP (MAP3K12 binding inhibitory protein 1), also known as MAPK upstream kinase (MUK)-binding inhibitory protein, is a 344 amino acid nuclear and cytoplasmic protein that assists in the activation of the JNK pathway by inhibiting ZPK activity. Ubiquitously expressed, MBIP is found at high levels in lung and heart and is one component of the ADA2A-containing complex (ATAC) in conjunction with ADA3, GCN5, CDC101, TADA2L, WDR5, YEATS2, DR1 and CRP2BP.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qihuang Jin	21131905	EMBO J	WB
Yuan-Liang Wang	18838386	J Biol Chem	WB
Yanchun Ma	38199596	Cell Signal	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:

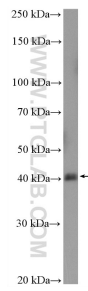
T: 4006900926

E: Proteintech-CN@ptglab.com

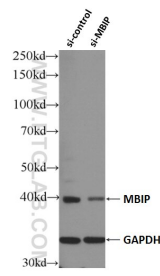
W: ptgcn.com

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

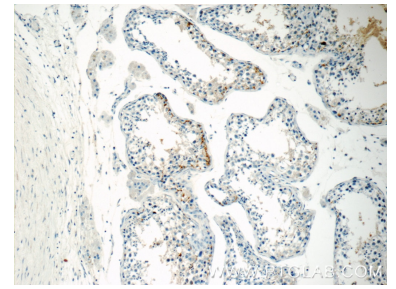
## Selected Validation Data



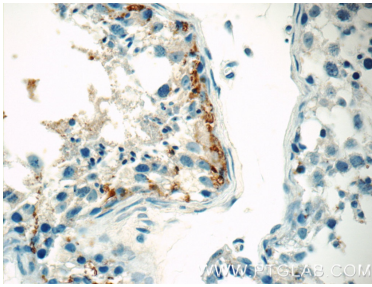
HepG2 cells were subjected to SDS PAGE followed by western blot with 10685-1-AP (MBIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



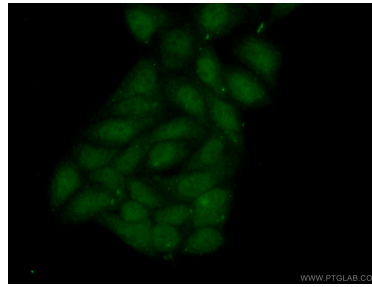
WB result of MBIP antibody (10685-1-AP; 1:600; room temperature for 1.5 hours) with sh-Control and sh-MBIP transfected HEK-293 cells.



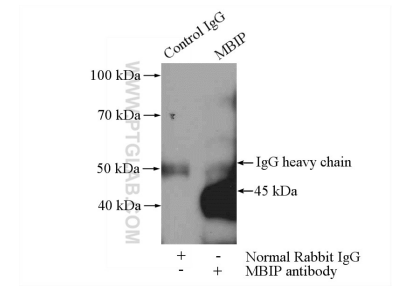
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10685-1-AP (MBIP Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10685-1-AP (MBIP Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 10685-1-AP (MBIP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-MBIP (IP:10685-1-AP, 4ug; Detection:10685-1-AP 1:300) with HEK-293 cells lysate 2800ug.