

For Research Use Only

# MYBBP1A Polyclonal antibody

Catalog Number: 14524-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 14524-1-AP	<b>GenBank Accession Number:</b> BC050546	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10514	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> MYB binding protein (P160) 1a	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 149 kDa	
<b>Immunogen Catalog Number:</b> AG6008	<b>Observed MW:</b> 150-160 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells IP : HEK-293 cells, IHC : human kidney tissue, IF : HepG2 cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

The protooncogene MYB is predominantly expressed in immature hemopoietic cells where it has an essential role in hemopoietic cell proliferation and differentiation. Oncogenically activated forms of MYB is generally N- and/or C-terminal truncations of the normal MYB protein. Removal of the C terminus of MYB disrupts or deletes a region termed the negative regulatory domain (NRD), resulting in an increase in DNA binding, transactivation, and transformation by MYB. One feature of the NRD is a leucine zipper-like motif [PMID: 8302594]. Murine Myb-binding protein-1a (MYBBP1A), originally called P160, was identified by its ability to interact specifically with Myb via this leucine zipper-like motif. MYBBP1A modulates MYB activity upon binding to the MYB NRD [PMID: 10644447, 9447996].

## Notable Publications

Author	Pubmed ID	Journal	Application
Blanca Felipe-Abrio	31066170	Mol Oncol	WB
Blanca Felipe-Abrio	30781655	Cancers (Basel)	WB,IF
Xuwen Chen	38064566	Sci Adv	WB

## Storage

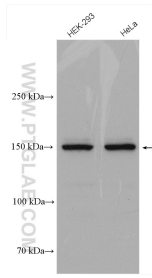
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

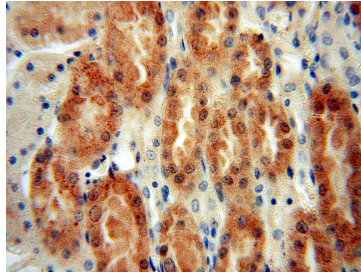
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

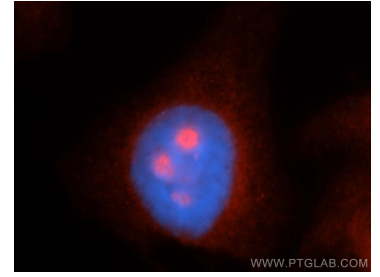
## Selected Validation Data



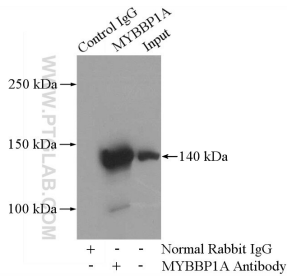
Various lysates were subjected to SDS PAGE followed by western blot with 14524-1-AP (MYBBP1A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



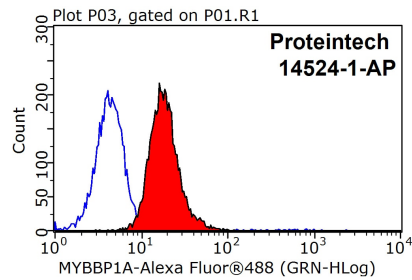
Immunohistochemical analysis of paraffin-embedded human kidney using 14524-1-AP (MYBBP1A antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using MYBBP1A antibody 14524-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-MYBBP1A (IP:14524-1-AP, 4ug; Detection:14524-1-AP 1:500) with HEK-293 cells lysate 2800ug.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug MYBBP1A antibody (14524-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.