

For Research Use Only

# MYBBP1A Monoclonal antibody

Catalog Number: 67996-1-Ig



## Basic Information

<b>Catalog Number:</b> 67996-1-Ig	<b>GenBank Accession Number:</b> BC050546	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10514	<b>CloneNo.:</b> 1H2D10
<b>Source:</b> Mouse	<b>Full Name:</b> MYB binding protein (P160) 1a	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:300-1:1200
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 149 kDa	
<b>Immunogen Catalog Number:</b> AG6008	<b>Observed MW:</b> 140 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat

**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:** LNCaP cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

**IHC:** human kidney tissue,

**IF:** HepG2 cells, NIH/3T3 cells

## 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].

## Storage

### Storage:

Store at -20°C.

### 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

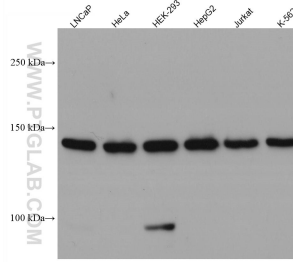
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

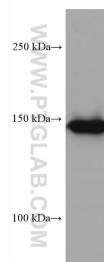
E: proteintech@ptglab.com  
W: ptglab.com

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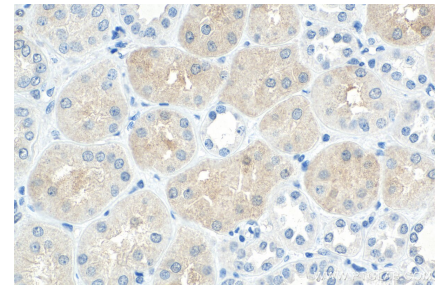
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67996-1-Ig (MYBBP1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



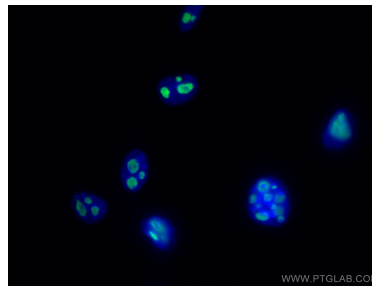
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67996-1-Ig (MYBBP1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



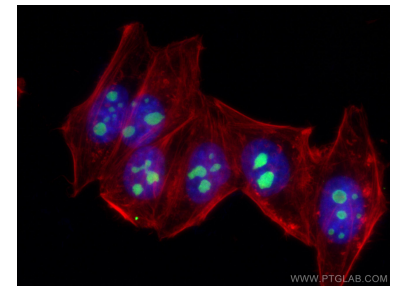
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67996-1-Ig (MYBBP1A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



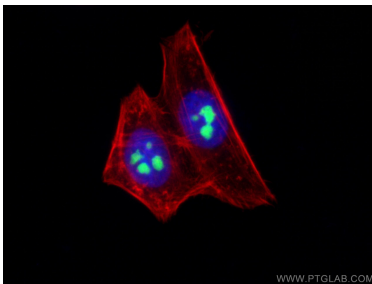
Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using MYBBP1A antibody (67996-1-Ig, Clone: 1H2D10) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using MYBBP1A antibody (67996-1-Ig, Clone: 1H2D10) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MYBBP1A antibody (67996-1-Ig, Clone: 1H2D10) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MYBBP1A antibody (67996-1-Ig, Clone: 1H2D10) at dilution of 1:600 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).