

For Research Use Only

# PAIP1 Monoclonal antibody

Catalog Number: 68042-1-Ig



## Basic Information

<b>Catalog Number:</b> 68042-1-Ig	<b>GenBank Accession Number:</b> BC005295	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10605	<b>CloneNo.:</b> 2H9D4
<b>Source:</b> Mouse	<b>Full Name:</b> poly(A) binding protein interacting protein 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 70 kDa	
<b>Immunogen Catalog Number:</b> AG16773	<b>Observed MW:</b> 40-45kDa, 62kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human, mouse, rabbit

**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 : mouse brain tissue, A549 cells, rabbit brain tissue, LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

IHC : human liver cancer tissue,

## Background Information

PAIP1 is a PABP-binding protein that contains two distinct PABP-binding motifs (PAMs). PAM1 binds to RNA recognition motif 2 in the N terminus of PABP; PAM2, which is a conserved region comprising approximately 15 amino acids, binds to the PABC domain of PABP. PAIP1 acts as a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs.

## 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

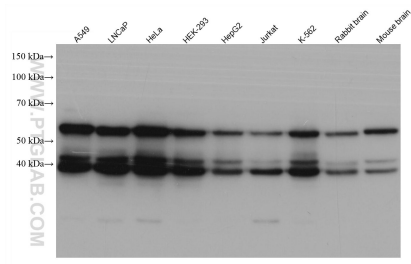
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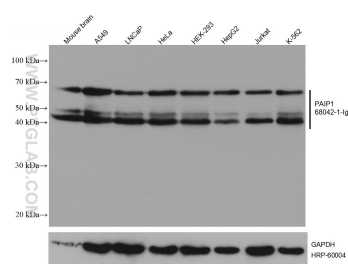
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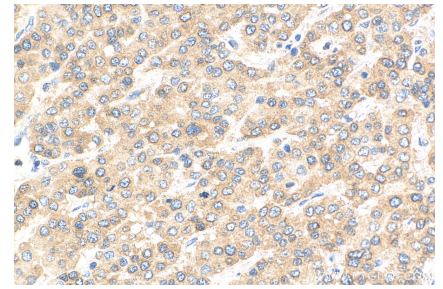
## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 68042-1-Ig (PAIP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68042-1-Ig (PAIP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68042-1-Ig (PAIP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).