

For Research Use Only

# ZFP36 Monoclonal antibody

Catalog Number: 66938-1-Ig

Featured Product

3 Publications



## Basic Information

Catalog Number:

66938-1-Ig

Size:

2000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28473

GenBank Accession Number:

BC009693

GeneID (NCBI):

7538

UNIPROT ID:

P26651

Full Name:

zinc finger protein 36, C3H type, homolog (mouse)

Calculated MW:

326 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Protein A purification

CloneNo.:

1A5E6

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:500-1:2000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, pig

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, A549 cells, NCI-H1299 cells, LPS treated U-937 cells, 3T3-L1 cells, pig lung tissue, RAW 264.7 cells

**IHC** : rat liver tissue,

## Background Information

The expression of many cytokines is regulated post-transcriptionally by factors that modulate mRNA transport, translation, and stability. Much of this regulation occurs by the binding and stabilizing, or destabilizing, of cytokine mRNAs by proteins that recognize adenosine and uridine-rich elements (AREs) in untranslated regions of target transcripts. Zfp36 is a mRNA-binding protein involved in post-transcriptional regulation of AU-rich element (ARE)-containing mRNAs. It was demonstrated to physically interact with the p65 subunit of nuclear factor- $\kappa$ B leading to decreased nuclear import and diminished transcriptional activation mediated by nuclear factor- $\kappa$ B. It acted by specifically binding ARE-containing mRNAs and promoting their degradation, and has a crucial role in the post-transcriptional regulation of tumor necrosis factor (TNF).

## Notable Publications

Author	Pubmed ID	Journal	Application
Kaiyong Yang	32339920	Int Immunopharmacol	WB
Mengge Yin	39547416	Virus Res	WB
Yue Li	37210725	Cell Rep	WB,IF,IP

## 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:

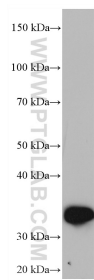
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

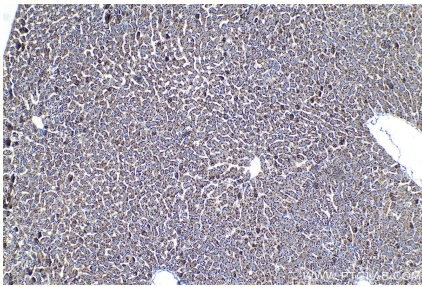
W: [ptgcn.com](http://ptgcn.com)

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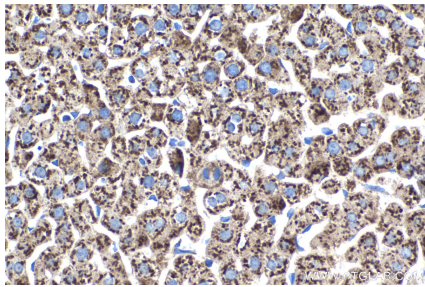
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66938-1-Ig (ZFP36 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 66938-1-Ig (ZFP36 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 66938-1-Ig (ZFP36 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).