

For Research Use Only

# ZFP36 Polyclonal antibody

Catalog Number: 12737-1-AP

22 Publications



## Basic Information

<b>Catalog Number:</b> 12737-1-AP	<b>GenBank Accession Number:</b> BC009693	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7538	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26651	
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger protein 36, C3H type, homolog (mouse)	
<b>Immunogen Catalog Number:</b> AG3461	<b>Calculated MW:</b> 326 aa, 34 kDa <b>Observed MW:</b> 37-44 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : mouse lung tissue, A549 cells, rat lung tissue IHC : human breast cancer tissue, human bladder tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> WB, IHC, IF, CoIP, RIP	
<b>Species Specificity:</b> human, mouse, rat	
<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 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). The calculated molecular weight of ZFP36 is 34 kDa, but modified ZFP36 is about 40-45 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yini Dang	36297287	Pharmaceuticals (Basel)	WB
Xiang Sun	32954540	FASEB J	WB,IF
Jie Du	33220174	Dev Cell	WB,RIP

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

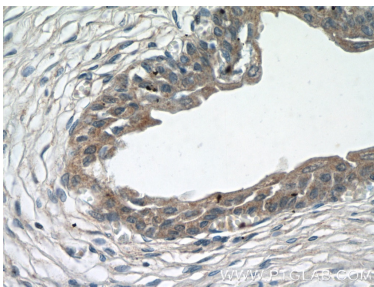
\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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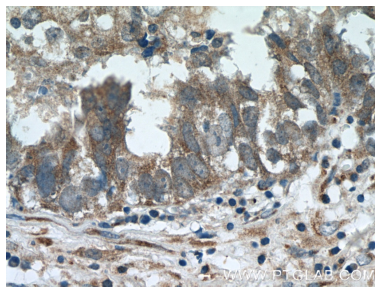
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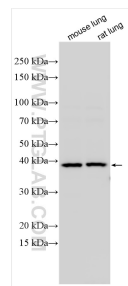
## Selected Validation Data



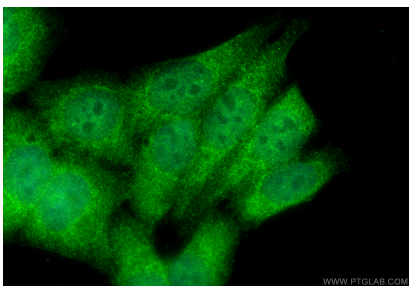
Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 12737-1-AP (ZFP36 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12737-1-AP (ZFP36 Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 12737-1-AP (ZFP36 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ZFP36 antibody (12737-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).