

For Research Use Only

ZFP36 Polyclonal antibody

Catalog Number: 12737-1-AP **18 Publications**



Basic Information

Catalog Number: 12737-1-AP	GenBank Accession Number: BC009693	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 7538	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: P26651	
Isotype: IgG	Full Name: zinc finger protein 36, C3H type, homolog (mouse)	
Immunogen Catalog Number: AG3461	Calculated MW: 326 aa, 34 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : mouse lung tissue, A549 cells IHC : human breast cancer tissue, human bladder tissue IF : HepG2 cells,
Cited Applications: WB, IF, RIP, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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- κ B leading to decreased nuclear import and diminished transcriptional activation mediated by nuclear factor- κ 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

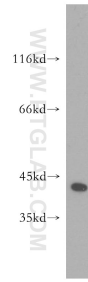
Storage

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

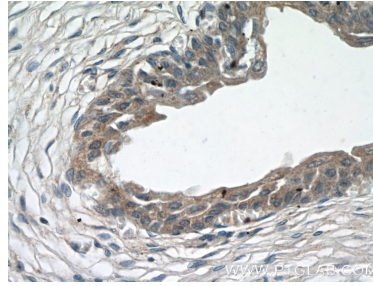
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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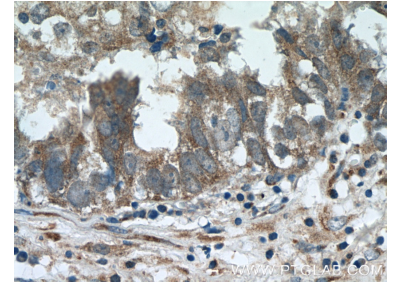
Selected Validation Data



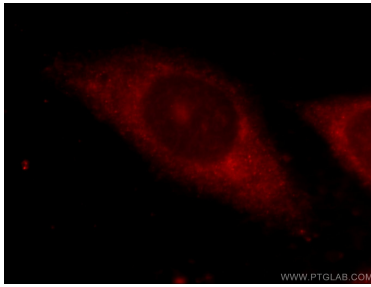
mouse lung tissue were subjected to SDS PAGE followed by western blot with 12737-1-AP (ZFP36 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of HepG2 cells using 12737-1-AP (ZFP36 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.