

For Research Use Only

# IGFBP4 Polyclonal antibody

Catalog Number: 18500-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 18500-1-AP	<b>GenBank Accession Number:</b> BC016041	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3487	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> insulin-like growth factor binding protein 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 28 kDa	
<b>Immunogen Catalog Number:</b> AG13347	<b>Observed MW:</b> 28-40 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : C6 cells, IHC : human liver tissue, human colon tissue IF : C6 cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, rat	
<b>Cited Species:</b> chicken, human	
<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

IGFBP4, also named as IBP4, is a 258 amino acid protein, which contains one IGFBP N-terminal domain and one thyroglobulin type-1 domain. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. IGFBP4 is a secreted protein and calculated molecular weight is 28 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenwen Guo	34888242	Front Oncol	IHC
Cynthia Hajal	34162553	Sci Adv	IF
Jie Yang	28734787	Cell Signal	WB

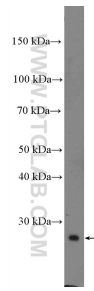
## Storage

**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

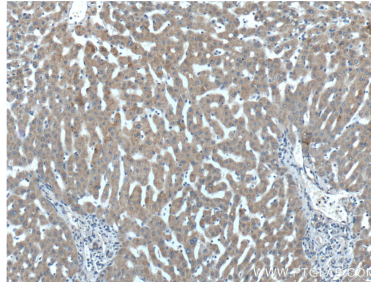
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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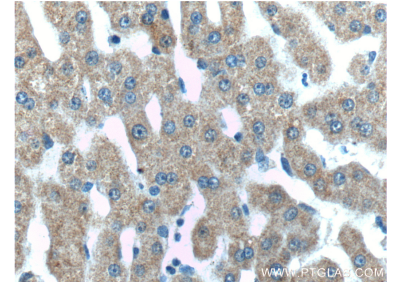
## Selected Validation Data



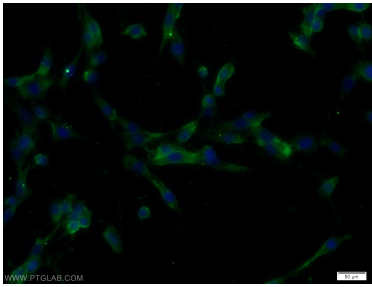
C6 cells were subjected to SDS PAGE followed by western blot with 18500-1-AP (IGFBP4 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18500-1-AP (IGFBP4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18500-1-AP (IGFBP4 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of C6 cells using 18500-1-AP (IGFBP4 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).