

For Research Use Only

# LGALS3BP Polyclonal antibody

Catalog Number: 10281-1-AP

Featured Product

21 Publications



## Basic Information

### Catalog Number:

10281-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0294

### GenBank Accession Number:

BC002403

### GeneID (NCBI):

3959

### UNIPROT ID:

Q08380

### Full Name:

lectin, galactoside-binding, soluble, 3 binding protein

### Calculated MW:

585 aa, 65 kDa

### Observed MW:

65-90 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human

### 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**

### Positive Controls:

**WB**: HeLa cells, COLO 320 cells, HEK-293 cells, fetal human brain tissue, HepG2 cells, A549 cells, human milk tissue, human plasma tissue

**IP**: HepG2 cells, HEK-293 cells

**IHC**: human oesophagus cancer tissue, human breast cancer tissue, human colon cancer, human colon cancer tissue

**IF/ICC**: HepG2 cells,

## Background Information

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-3-binding protein (LGALS3BP, also known as 90K or Mac-2 BP) is a secreted glycoprotein which binds galectin-3, galectin-1, beta1 integrins, collagens and fibronectin (PMID: 8034587; 8024581; 11146440; 9501082). It has been implicated in tumor metastatic processes, as well as in other cell adhesion and immune functions. Levels of LGALS3BP have been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV) (PMID: 7698018). Western analysis suggests that LGALS3BP is found in breast milk, semen, saliva, urine, and tears, in addition to serum (PMID: 8390986).

## Notable Publications

Author	Pubmed ID	Journal	Application
Kei Hagiwara	35586893	J Hepatobiliary Pancreat Sci	IHC,IF
Hongtao Zhu	35814469	Front Oncol	WB,IHC
Chunqing Wang	32572027	Nat Commun	WB

## 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

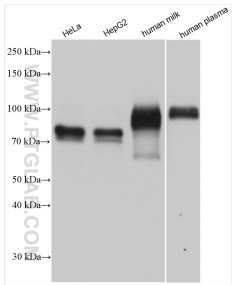
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

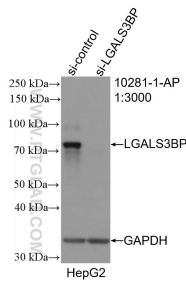
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

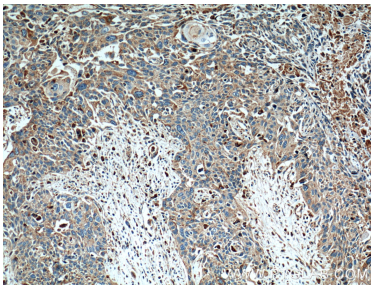
Selected Validation Data



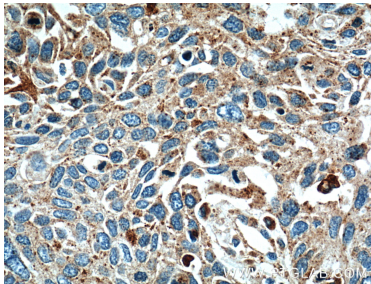
Various lysates were subjected to SDS PAGE followed by western blot with 10281-1-AP (LGALS3BP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



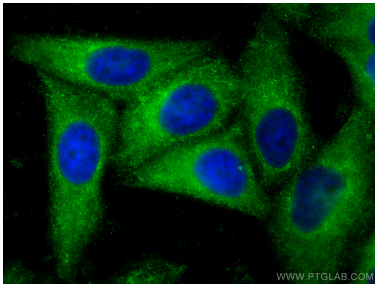
WB result of LGALS3BP antibody (10281-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LGALS3BP transfected HepG2 cells.



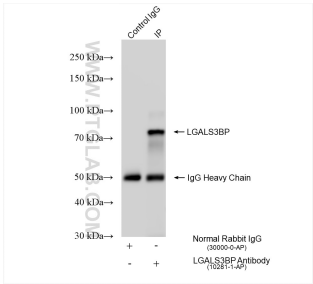
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



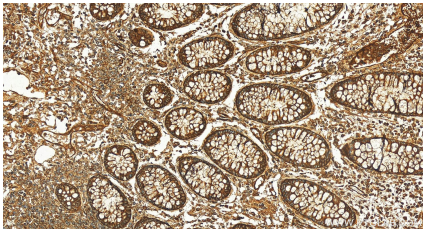
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



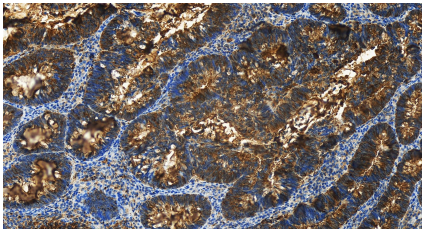
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using LGALS3BP antibody (10281-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-LGALS3BP (IP:10281-1-AP, 4ug; Detection:10281-1-AP 1:1000) with HepG2 cells lysate 1085 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10281-1-AP (LGALS3BP antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 10281-1-AP (LGALS3BP antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).