

For Research Use Only

LGALS3BP Polyclonal antibody

Catalog Number:10281-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

10281-1-AP

Size:

450 ug/ml

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

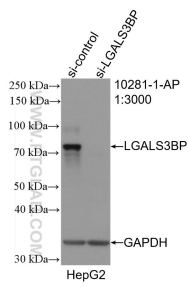
T: 4006900926

E: Proteintech-CN@ptglab.com

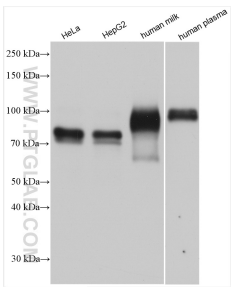
W: ptgcn.com

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

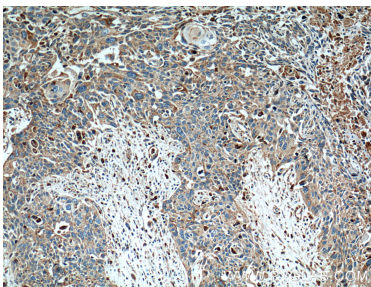
Selected Validation Data



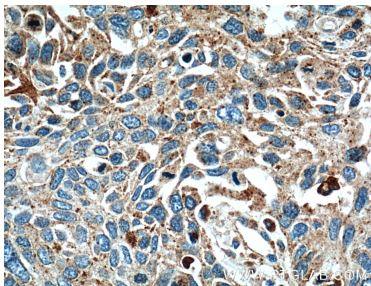
WB result of LGALS3BP antibody (10281-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LGALS3BP transfected HepG2 cells.



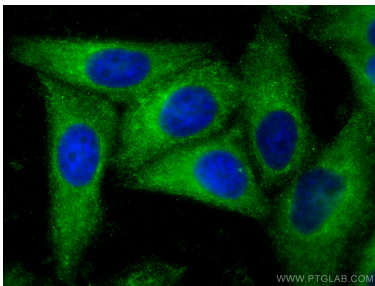
Various lysates were subjected to SDS PAGE followed by western blot with 10281-1-AP (LGALS3BP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



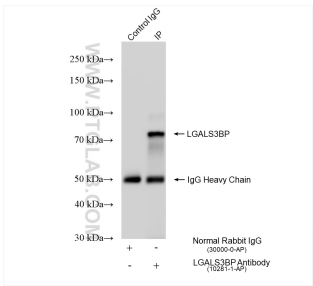
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



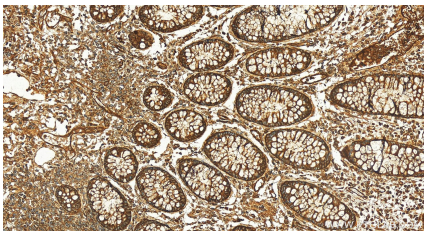
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10281-1-AP (LGALS3BP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



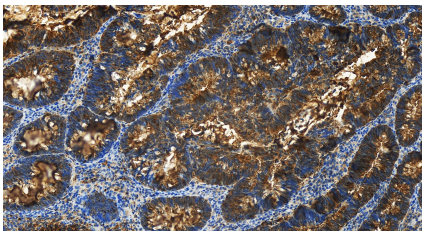
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using LGALS3BP antibody (10281-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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 tissue 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).