

For Research Use Only

# LGALS3BP Monoclonal antibody

Catalog Number: 60066-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 60066-1-Ig	<b>GenBank Accession Number:</b> BC002403	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1900 ug/ml by Nanodrop and 1400 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3959	<b>CloneNo.:</b> 2D8E11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q08380	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> lectin, galactoside-binding, soluble, 3 binding protein	
<b>Immunogen Catalog Number:</b> AG0294	<b>Calculated MW:</b> 585 aa, 65 kDa	
	<b>Observed MW:</b> 65-90 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : human blood tissue, IP : human plasma tissue, IHC : human breast cancer tissue, human oesophagus cancer tissue, human skin cancer tissue IF/ICC : A431 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<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 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). LGALS3BP has a predicted mass of 65 kDa. It is heavily glycosylated and shows an apparent molecular weight of 90 kDa on SDS-PAGE.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chenyang Zhao	35895036	Invest Ophthalmol Vis Sci	WB
Yaojie Wang	36624553	Proteomics	WB
Gang Xu	31404116	PLoS Pathog	WB

## Storage

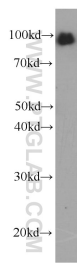
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

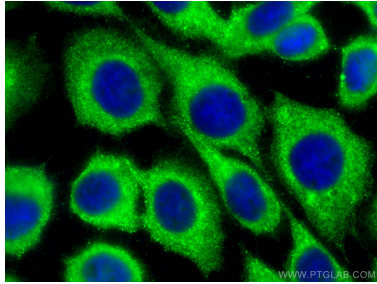
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

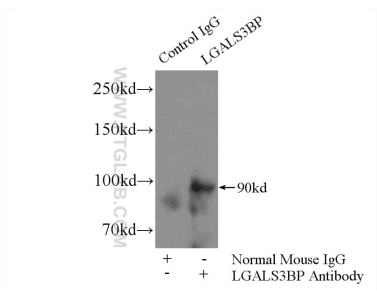
Selected Validation Data



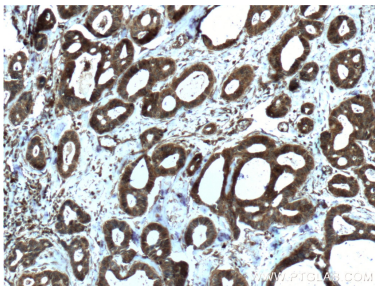
human blood were subjected to SDS PAGE followed by western blot with 60066-1-Ig (LGALS3BP Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



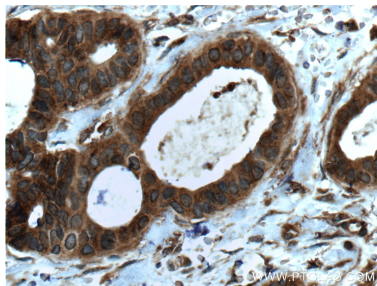
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using LGALS3BP antibody (60066-1-Ig, Clone: 2D8E11 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP result of anti-LGALS3BP (IP:60066-1-Ig, 5ug; Detection:60066-1-Ig 1:1000) with human plasma lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60066-1-Ig (LGALS3BP Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60066-1-Ig (LGALS3BP Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).