

For Research Use Only

# LGALS3BP Monoclonal antibody, PBS Only



Catalog Number: 60066-1-PBS

## Basic Information

<b>Catalog Number:</b> 60066-1-PBS	<b>GenBank Accession Number:</b> BC002403	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3959	<b>CloneNo.:</b> 2D8E11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q08380	
<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> 90 kDa	

## Applications

**Tested Applications:**  
WB, IP, IF, IHC, ELISA

**Species Specificity:**  
human

## 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, beta 1 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.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

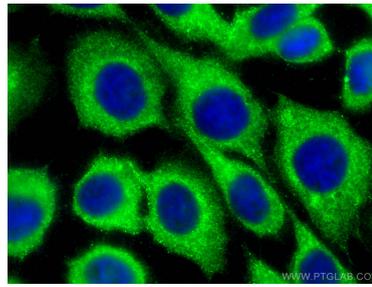
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

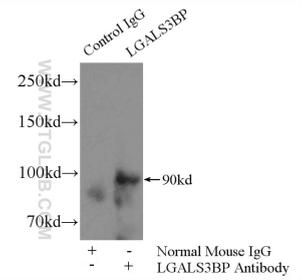
## Selected Validation Data



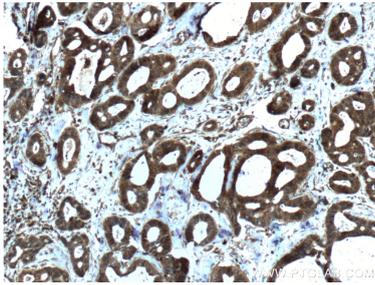
human blood were subjected to SDS PAGE followed by western blot with 60066-1-Ig (LGALS3BP Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60066-1-PBS in a different storage buffer formulation.



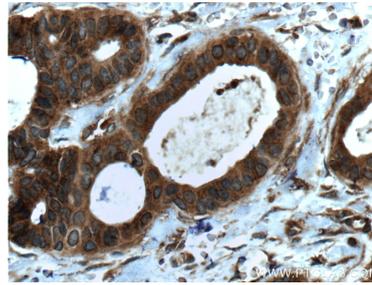
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using LGALS3BP antibody (60066-1-Ig, Clone: 2D8E11 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60066-1-PBS in a different storage buffer formulation.



IP result of anti-LGALS3BP (IP:60066-1-Ig, 5ug; Detection:60066-1-Ig 1:1000) with human plasma lysate 4000ug. This data was developed using the same antibody clone with 60066-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60066-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60066-1-PBS in a different storage buffer formulation.