

For Research Use Only

# Galectin-1 Polyclonal antibody

Catalog Number: 11858-1-AP

Featured Product

22 Publications



## Basic Information

### Catalog Number:

11858-1-AP

### Concentration:

500 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2432

### GenBank Accession Number:

BC020675

### GeneID (NCBI):

3956

### UNIPROT ID:

P09382

### Full Name:

lectin, galactoside-binding, soluble, 1

### Calculated MW:

15 kDa

### Observed MW:

14 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:1000-1:4000

IF/ICC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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:** A549 cells, HepG2 cells, HCT 116 cells, MCF-7 cells, U2OS cells, NIH/3T3 cells, PC-12 cells

**IHC:** human colon cancer tissue, human lung cancer tissue, mouse colon tissue

**IF/ICC:** A549 cells,

## Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for  $\beta$ -galactose-containing oligosaccharides (PMID: 8063692). Galectin-1 contains one carbohydrate recognition domain (CRD) and occurs as a monomer as well as a non-covalent homodimer (PMID: 16840800). It is differentially expressed by various normal and pathological tissues. Galectin-1 is a multifunctional protein that is involved in cell adhesion, migration, proliferation, apoptosis, inflammation, tumour transformation and growth (PMID:15785741).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Zhang	36177897	Int J Oncol	IHC
Yong Chen	36224027	Front Biosci (Landmark Ed)	WB
Xing Rong Guo	31492191	J Exp Clin Cancer Res	IHC,IF

## 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

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

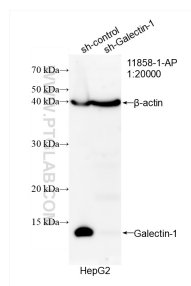
T: 4006900926

E: Proteintech-CN@ptglab.com

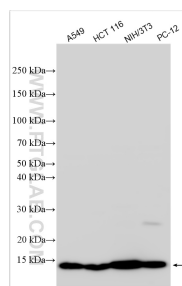
W: ptgcn.com

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

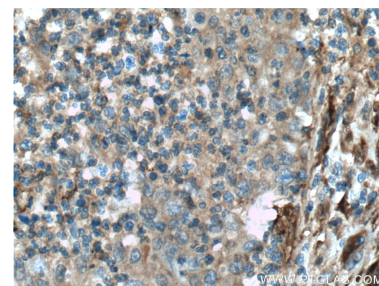
## Selected Validation Data



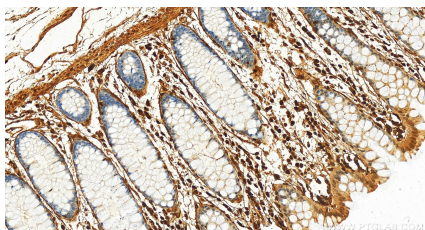
WB result of Galectin-1 antibody (11858-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Galectin-1 transfected HepG2 cells.



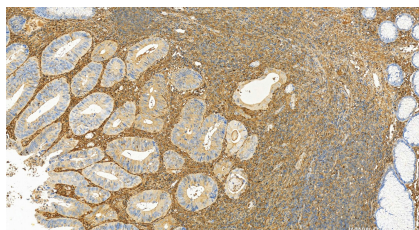
Various lysates were subjected to SDS PAGE followed by western blot with 11858-1-AP (Galectin-1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



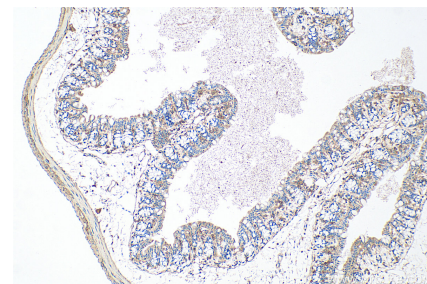
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11858-1-AP (Galectin-1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



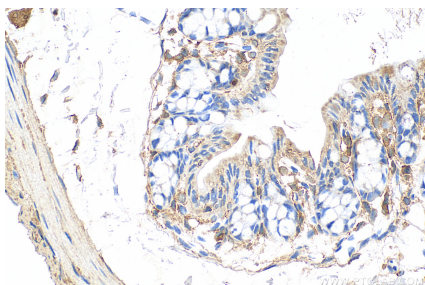
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11858-1-AP (Galectin-1 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



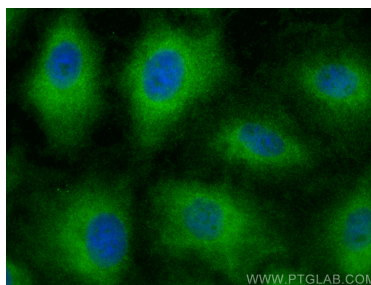
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11858-1-AP (Galectin-1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 11858-1-AP (Galectin-1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 11858-1-AP (Galectin-1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using Galectin-1 antibody (11858-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).