

For Research Use Only

# Galectin-9 Polyclonal antibody



Catalog Number: 17938-1-AP

Featured Product

3 Publications

## Basic Information

### Catalog Number:

17938-1-AP

### Size:

150ul , Concentration: 173 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12209

### GenBank Accession Number:

BC110340

### GeneID (NCBI):

3965

### Full Name:

lectin, galactoside-binding, soluble, 9

### Calculated MW:

323 aa, 36 kDa

### Observed MW:

45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000

for WB

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IP, WB, ELISA

### Cited Applications:

IHC, WB

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB : U-937 cells, HeLa cells, HepG2 cells, NIH/3T3 cells, HL-60 cells, SGC-7901 cells

IP : SGC-7901 cells,

IF : HeLa cells,

## Background Information

The galectins, formerly known as S-type lectins, are a family of  $\beta$ -galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-9 (LGALS9) is a tandem repeat-type member of the galectin family. It has three isoforms (named galectin-9L, galectin-9M, and galectin-9S): long type of 355 amino acids, medium type of 323 amino acids, and short type of 311 amino acids. Galectin-9 is ubiquitously expressed in a variety of tissues, including lymph nodes and spleen, and overexpressed in Hodgkin disease tissue. It is involved in chemoattraction, apoptosis, and the regulation of cell differentiation and has anti-allergic effects. It has been reported that galectin-9 is a ligand for Tim-3, through which galectin-9 can induce T-helper type 1 lymphocyte (Th1) death.

## Notable Publications

Author	Pubmed ID	Journal	Application
Junyu Fan	30223894	Stem Cell Res Ther	WB
Jiaxing Yang	24919464	Int J Oncol	
Anna Qin	30680089	Cell Biosci	WB, IHC

## 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

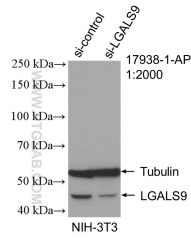
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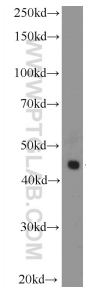
E: proteintech@ptglab.com  
W: ptglab.com

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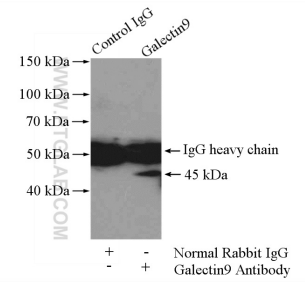
## Selected Validation Data



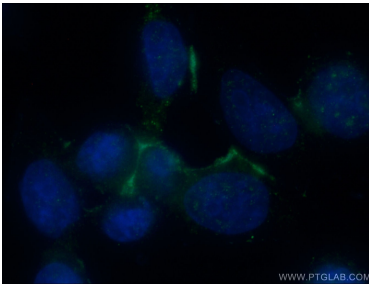
WB result of Galectin 9 antibody (17938-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Galectin 9 transfected NIH/3T3 cells.



U-937 cells were subjected to SDS PAGE followed by western blot with 17938-1-AP (Galactin 9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-Galectin 9 (IP:17938-1-AP, 4ug; Detection:17938-1-AP 1:500) with SGC-7901 cells lysate 2400ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 17938-1-AP (Galactin 9 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).