

For Research Use Only

# Galectin-9 Polyclonal antibody

Catalog Number: 17938-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**

17938-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12209

**GenBank Accession Number:**

BC110340

**GeneID (NCBI):**

3965

**UNIPROT ID:**

O00182

**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 µg for 1.0-3.0 mg of total protein lysate

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

IHC, IP, 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:** U-937 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	
Qi Zhang	36435292	J Nutr Biochem	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:

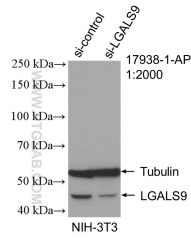
T: 4006900926

E: Proteintech-CN@ptglab.com

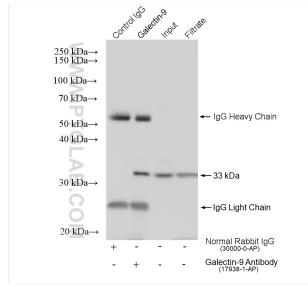
W: ptgcn.com

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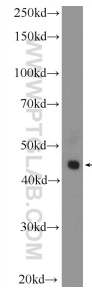
## Selected Validation Data



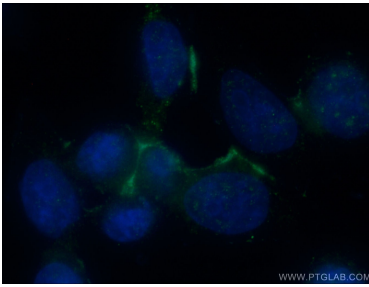
WB result of Galectin 9 antibody (17938-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Galectin 9 transfected NIH/3T3 cells.



IP result of anti-Galectin-9 (IP:17938-1-AP, 4ug; Detection:17938-1-AP 1:1500) with U-937 cells lysate 2240 ug.



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



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