

For Research Use Only

# LGALS9/Galectin-9 Polyclonal antibody

Catalog Number: 17938-1-AP

Featured Product

19 Publications



## Basic Information

**Catalog Number:**

17938-1-AP

**Size:**

150ul, Concentration: 300 ug/ml by Nanodrop;

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human

**Cited Species:**

human

**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 : U-937 cells, HeLa cells, HepG2 cells, HL-60 cells, SGC-7901 cells

IP : U-937 cells,

IHC : human ovary cancer tissue,

IF/ICC : U-937 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
Jiaying 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

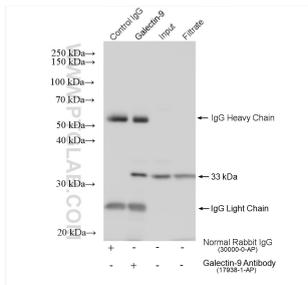
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

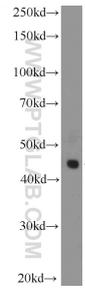
E: proteintech@ptglab.com  
W: ptglab.com

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

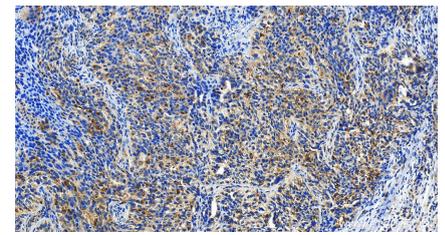
## Selected Validation Data



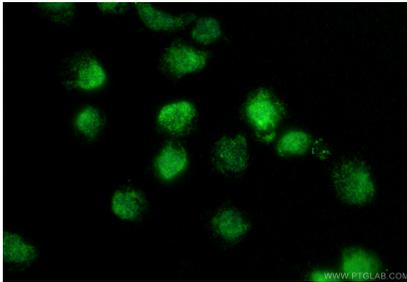
IP result of anti-Galectin-9 (IP:17938-1-AP, 4 $\mu$ g; Detection:17938-1-AP 1:1500) with U-937 cells lysate 2240  $\mu$ g.



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.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 17938-1-AP (Galectin-9 antibody) at dilution of 1:200 (under 20 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-937 cells using LGALS9/Galectin-9 antibody (17938-1-AP) at dilution of 1:200 and CoraLite $\text{\textcircled{R}}$ 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).