For Research Use Only

Galectin-9 Polyclonal antibody

Catalog Number:17938-1-AP Featured Product 14 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

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 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human

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/ICC : HeLa cells,

Background Information

The galectins, formerly known as S-type lectins, are a family of β-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

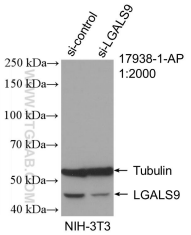
Author	Pubmed ID	Journal	Application
Junyu Fan	30223894	Stem Cell Res Ther	WB
Jiaxing Yang	24919464	Int J Oncol	
Qi Zhang	36435292	J Nutr Biochem	WB

Storage

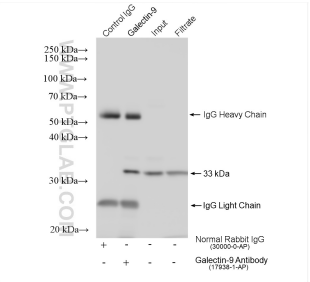
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

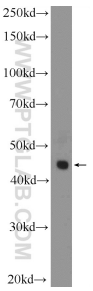
Selected Validation Data



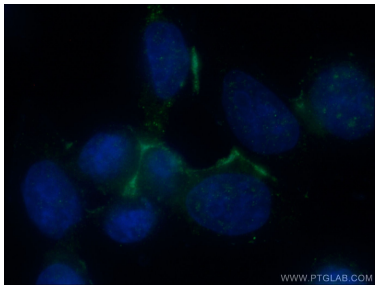
WB result of Galectin 9 antibody (17938-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Galectin 9 transfected NIH/3T3 cells.



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 Goat Anti-Rabbit IgG(H+L).