

For Research Use Only

LGALS9/Galectin-9 Polyclonal antibody, PBS Only



Catalog Number: 17938-1-PBS

Featured Product

Basic Information

Catalog Number:

17938-1-PBS

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:

34-40 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

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.

Storage

Storage:

Store at -80°C .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

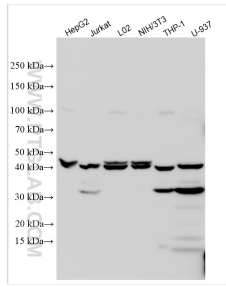
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E: Proteintech-CN@ptglab.com

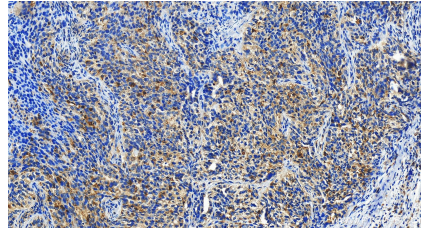
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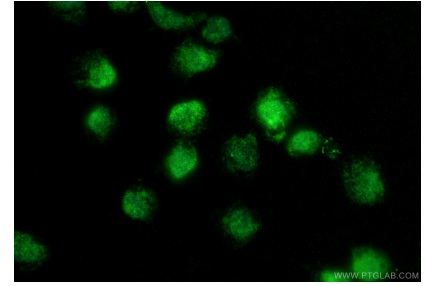
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17938-1-AP (LGALS9/Galectin-9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17938-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 17938-1-AP (Galectin-9 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17938-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U-937 cells using LGALS9/Galectin-9 antibody (17938-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 17938-1-PBS in a different storage buffer formulation.