

For Research Use Only

Galectin-1 Polyclonal antibody

Catalog Number: 11858-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

11858-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2432

GenBank Accession Number:

BC020675

GeneID (NCBI):

3956

UNIPROT ID:

P09382

Full Name:

lectin, galactoside-binding, soluble, 1

Calculated MW:

15 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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: A549 cells, HepG2 cells, HCT 116 cells, NIH/3T3 cells, PC-12 cells, MCF-7 cells, U2OS cells

IHC: human colon cancer tissue, human lung cancer tissue

IF: U2OS cells,

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (PMID: 8063692). Galectin-1 contains one carbohydrate recognition domain (CRD) and occurs as a monomer as well as a non-covalent homodimer (PMID: 16840800). It is differentially expressed by various normal and pathological tissues. Galectin-1 is a multifunctional protein that is involved in cell adhesion, migration, proliferation, apoptosis, inflammation, tumour transformation and growth (PMID:15785741).

Notable Publications

Author	Pubmed ID	Journal	Application
Qi Zhang	36177897	Int J Oncol	IHC
Yong Chen	36224027	Front Biosci (Landmark Ed)	WB
Xing Rong Guo	31492191	J Exp Clin Cancer Res	IHC,IF

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:

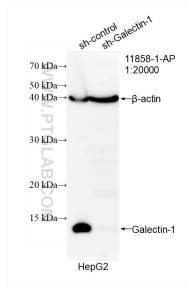
T: 4006900926

E: Proteintech-CN@ptglab.com

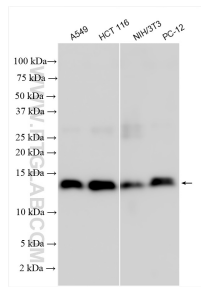
W: ptgcn.com

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

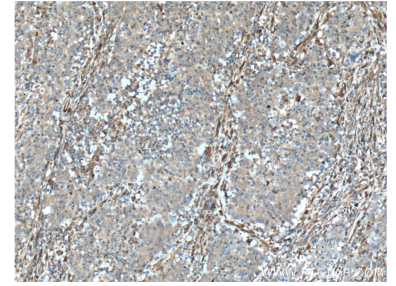
Selected Validation Data



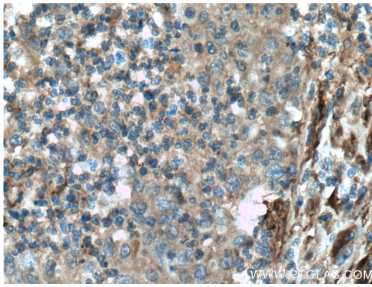
WB result of Galectin-1 antibody (11858-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Galectin-1 transfected HepG2 cells.



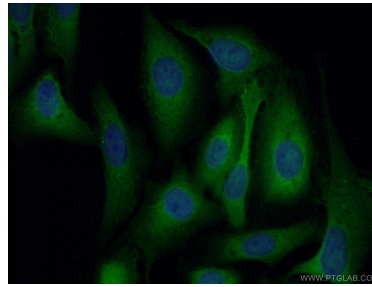
Various lysates were subjected to SDS PAGE followed by western blot with 11858-1-AP (Galectin-1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11858-1-AP (Galectin-1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11858-1-AP (Galectin-1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using 11858-1-AP (Galectin-1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).