

For Research Use Only

Galectin-1 Polyclonal antibody

Catalog Number: 11858-1-AP **6 Publications**



Basic Information

Catalog Number: 11858-1-AP	GenBank Accession Number: BC020675	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3956	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: lectin, galactoside-binding, soluble, 1	
Isotype: IgG	Calculated MW: 15 kDa	
Immunogen Catalog Number: AG2432	Observed MW: 14 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: IHC : human colon cancer tissue, human lung cancer tissue IF : U2OS cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Xing Rong Guo	31492191	J Exp Clin Cancer Res	IHC,IF
Songyan Gao	35308536	Front Med (Lausanne)	IHC
Chen Yang	33614236	Mol Ther Nucleic Acids	WB

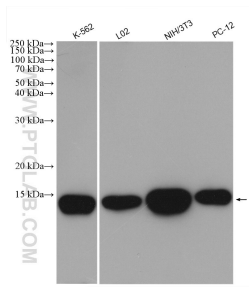
Storage

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

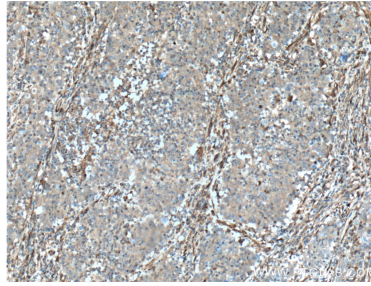
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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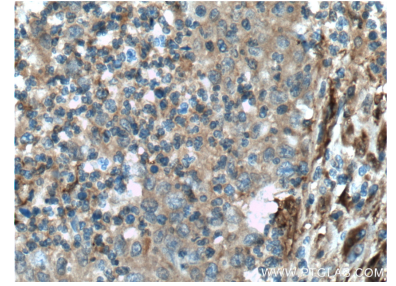
Selected Validation Data



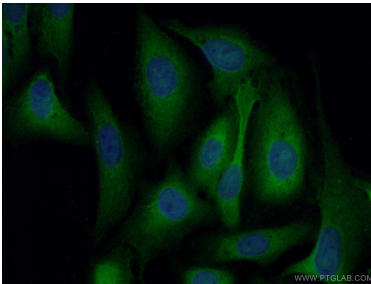
Various lysates were subjected to SDS PAGE followed by western blot with 11858-1-AP (Galectin-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).