

For Research Use Only

Galectin-4 Polyclonal antibody

Catalog Number: 27552-1-AP

2 Publications



Basic Information

Catalog Number: 27552-1-AP	GenBank Accession Number: BC034750	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3960	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:1000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P56470	
Isotype: IgG	Full Name: lectin, galactoside-binding, soluble, 4	
Immunogen Catalog Number: AG26130	Calculated MW: 323 aa, 36 kDa	
	Observed MW: 34-36 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : rat colon tissue, mouse small intestine tissue, mouse colon tissue
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue, human stomach cancer tissue
Cited Species: human, mouse	IF/ICC : HT-29 cells,
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-4 contains two arbohydrate recognition domains (CRDs) and is expressed in the epithelium of oral mucosa, esophagus, and intestinal and colonic mucosa (PMID: 15546874; 15115909). Aberrant expression of galectin-4 has been reported in several cancers.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanlu Wang	35300421	Front Cell Dev Biol	WB
Yusuke Mizutani	33016205	Cell Adh Migr	WB

Storage

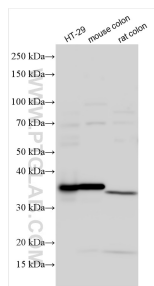
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

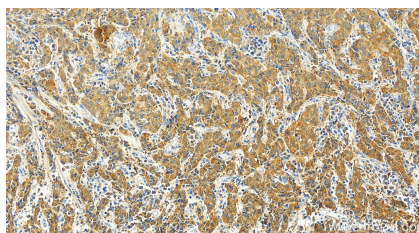
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

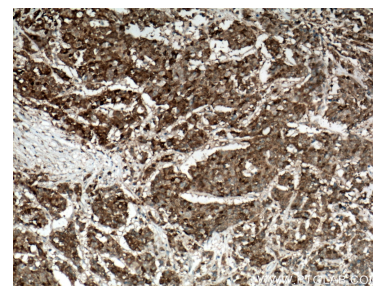
Selected Validation Data



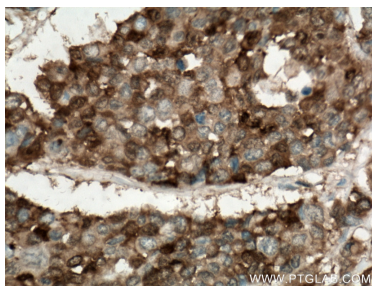
Various lysates were subjected to SDS PAGE followed by western blot with 27552-1-AP (Galectin-4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



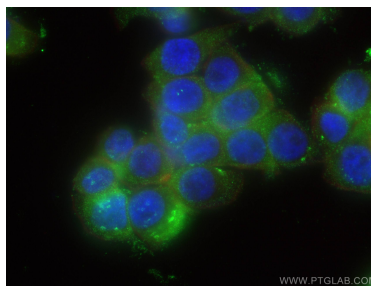
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 27552-1-AP (Galectin-4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27552-1-AP (LGALS4, GAL4 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 27552-1-AP (LGALS4, GAL4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using Galectin-4 antibody (27552-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).