

For Research Use Only

Galectin-4 Monoclonal antibody

Catalog Number: 66686-1-Ig



Basic Information

Catalog Number: 66686-1-Ig	GenBank Accession Number: BC034750	Purification Method: Protein A purification
Size: 150ul, Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3960	CloneNo.: 3C2G3
Source: Mouse	UNIPROT ID: P56470	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:2000-1:5000 IF-P 1:200-1:800
Isotype: IgG2b	Full Name: lectin, galactoside-binding, soluble, 4	
Immunogen Catalog Number: AG4049	Calculated MW: 323 aa, 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human

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 : HT-29 cells, human ileum tissue

IHC : human colon tissue, human colon cancer tissue

IF-P : human colon cancer tissue,

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 arbohydate 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.

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

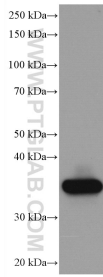
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

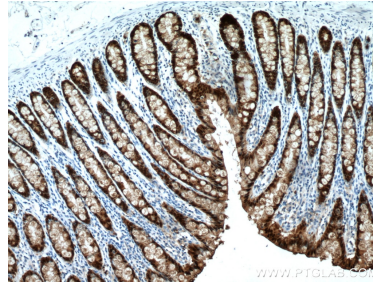
E: proteintech@ptglab.com
W: ptglab.com

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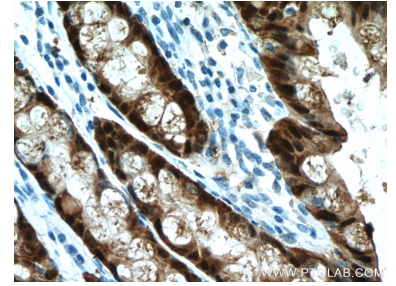
Selected Validation Data



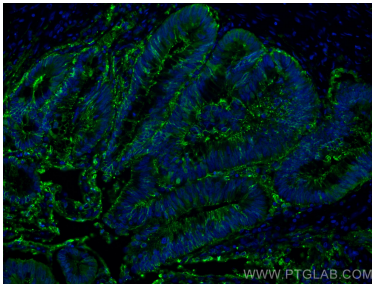
HT-29 cells were subjected to SDS PAGE followed by western blot with 66686-1-Ig (LGALS4, GAL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



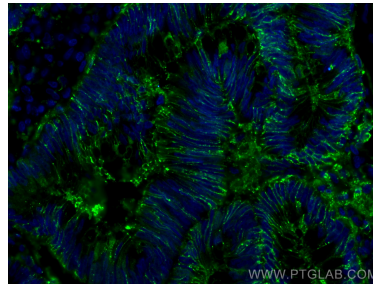
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66686-1-Ig (Galectin-4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66686-1-Ig (Galectin-4 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using Galectin-4 antibody (66686-1-Ig, Clone: 3C2G3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using Galectin-4 antibody (66686-1-Ig, Clone: 3C2G3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).