

For Research Use Only

# Galectin-4 Polyclonal antibody

Catalog Number: 27552-1-AP **2 Publications**



## Basic Information

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

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : rat colon tissue, mouse small intestine tissue, mouse colon tissue IHC : human colon cancer tissue, human stomach cancer tissue IF : HT-29 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, Mouse	
<b>Cited Species:</b> human, mouse	

**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  $\beta$ -galactose-containing oligosaccharides (PMID: 8063692). Galectin-4 contains two carbohydrate 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

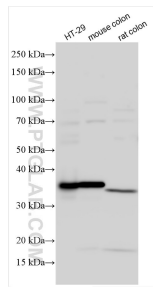
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

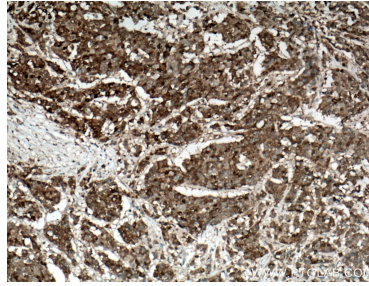
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

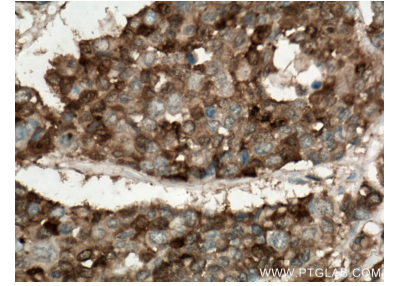
## Selected Validation Data



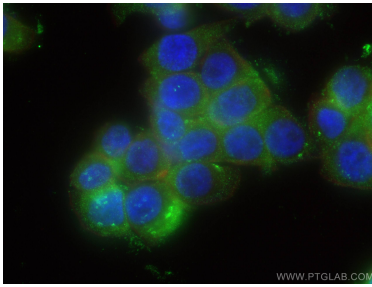
Various lysates were subjected to SDS PAGE followed by western blot with 27552-1-AP (Galectin-4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human 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).