

Galectin-4 Polyclonal antibody

Catalog Number: 13391-1-AP

Basic Information

Catalog Number: 13391-1-AP	GenBank Accession Number: BC034750	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 3960	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P56470	
Isotype: IgG	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/ICC, ELISA	Positive Controls: WB : HT-29 cells, COLO 320 cells IHC : human breast cancer tissue, IF/ICC : COLO 320 cells,
Species Specificity: 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	

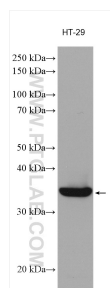
Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (PMID: 8063692). Galectin-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.

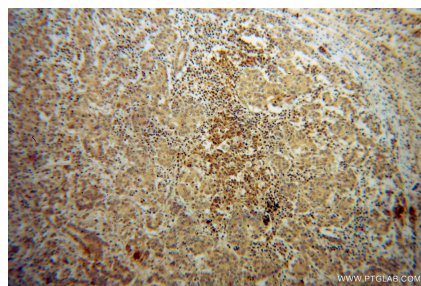
Storage

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

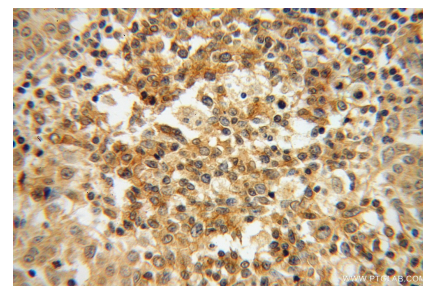
Selected Validation Data



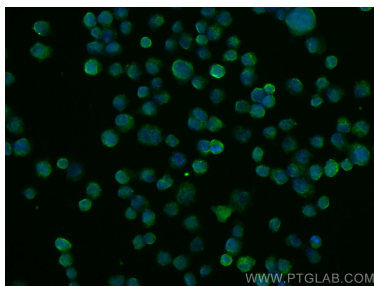
HT-29 cells were subjected to SDS PAGE followed by western blot with 13391-1-AP (Galectin-4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 13391-1-AP (Galectin-4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 13391-1-AP (Galectin-4 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed COLO 320 cells using Galectin-4 antibody (13391-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).