

For Research Use Only

Galectin-7 Polyclonal antibody

Catalog Number: 16730-1-AP



Basic Information

Catalog Number: 16730-1-AP	GenBank Accession Number: BC073743	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 653499	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P47929	
Isotype: IgG	Full Name: lectin, galactoside-binding, soluble, 7B	
Immunogen Catalog Number: AG10188	Calculated MW: 136 aa, 15 kDa	
	Observed MW: 14-15 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse skin tissue, mouse small intestine tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human cervix 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-7 contains one carbohydrate recognition domain (CRD) and is biologically active as monomer. It is mainly expressed in stratified epithelium, especially in epidermis. Alterations of galectin-7 expression during cancer progression have been reported. Galectin-7 is involved in epithelial differentiation and development and may have a role in tumour development (PMID: 16429325).

Storage

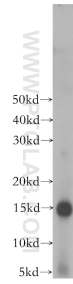
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

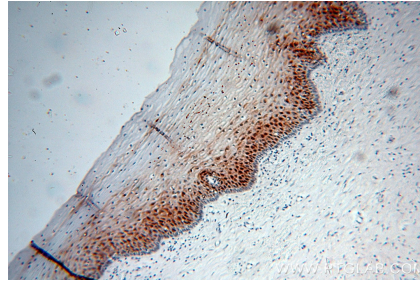
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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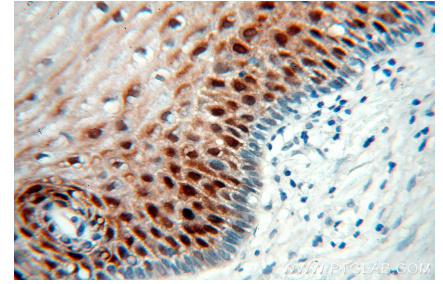
Selected Validation Data



mouse skin tissue were subjected to SDS PAGE followed by western blot with 16730-1-AP (Galectin-7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervix using 16730-1-AP (Galectin-7 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervix using 16730-1-AP (Galectin-7 antibody) at dilution of 1:100 (under 40x lens).