

For Research Use Only

# Galectin-7 Polyclonal antibody

Catalog Number: 16730-1-AP



## Basic Information

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

## Applications

### Tested Applications:

IHC, WB, ELISA

### 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**

### Positive Controls:

WB : mouse skin tissue, mouse small intestine tissue

IHC : human cervix tissue,

## 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-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

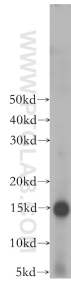
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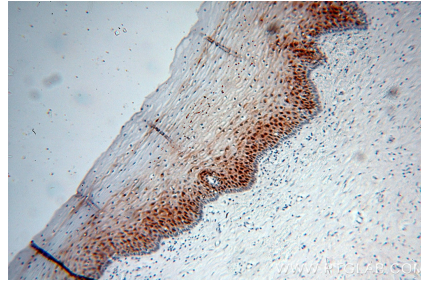
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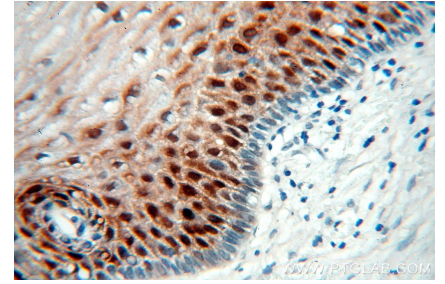
## Selected Validation Data



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).