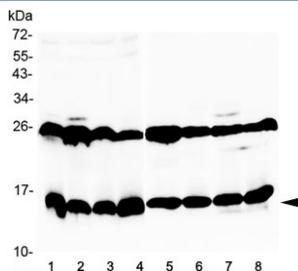


## Galectin 1 Antibody (R32841)

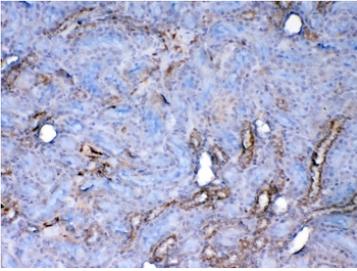
Catalog No.	Formulation	Size
R32841	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

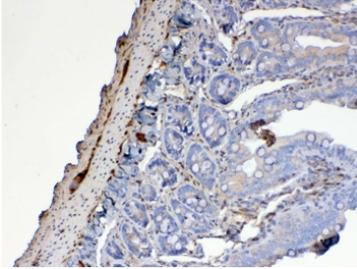
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	P16045
<b>Localization</b>	Cytoplasmic, secreted
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml ELISA (Capture; Recombinant Mouse Protein) : 0.1-0.5ug/ml (BSA-free format available)
<b>Limitations</b>	This Galectin 1 antibody is available for research use only.



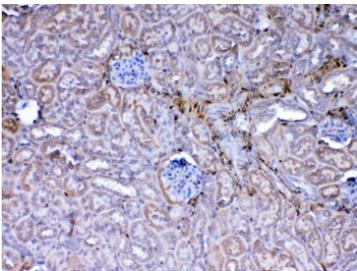
Western blot testing of 1) mouse thymus, 2) mouse kidney, 3) mouse testis, 4) mouse ovary, 5) rat heart, 6) rat skeletal muscle, 7) rat stomach and 8) rat testis tissue lysate with Galectin 1 antibody at 0.5ug/ml. Predicted molecular weight: ~15 kDa.



IHC testing of FFPE rat kidney tissue with Galectin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat small intestine tissue with Galectin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse kidney tissue with Galectin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

## Description

Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Galectin-1 expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ T-cells. It is thought to play a role in creating immune tolerance in pregnancy. It has been found that Galectin-1-mediated production of IL6 may assist in augmenting the innate immune response against NiV. Galectin-1 may also be a significant factor that augments the efficiency of the HIV-1 infection process.

## Application Notes

Optimal dilution of the Galectin 1 antibody should be determined by the researcher.

## Immunogen

A recombinant mouse protein corresponding to amino acids A2-E135 was used as the immunogen for the Galectin 1 antibody.

## Storage

After reconstitution, the Galectin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

