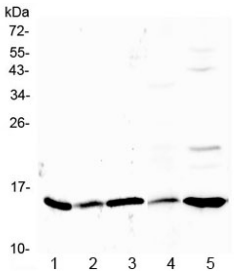
Galectin 1 Antibody (R32842)

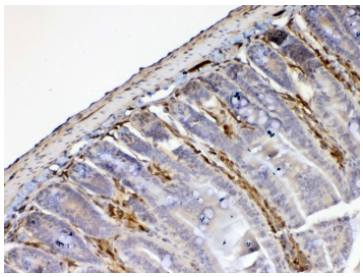
Catalog No.	Formulation	Size
R32842	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

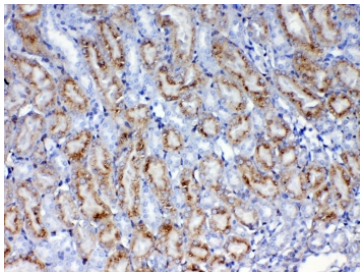
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P11762
Localization	Cytoplasmic, secreted
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml ELISA (Capture; rat recombinant protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Galectin 1 antibody is available for research use only.



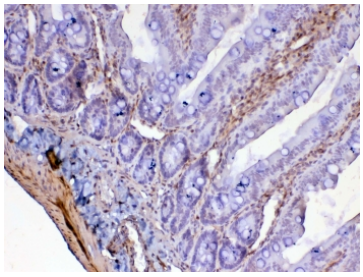
Western blot testing of 1) rat stomach, 2) rat ovary, 3) rat testis, 4) mouse kidney and 5) human HeLa lysate with Galectin 1 antibody at 0.5ug/ml. Predicted molecular weight ~15 kDa.



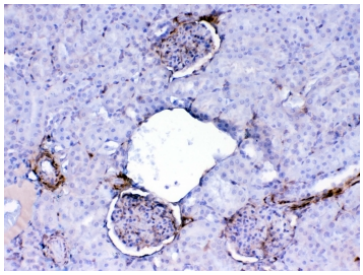
IHC testing of FFPE mouse small intestine tissue with Galectin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



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.



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 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.

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.

Researchers studying glycan-dependent cell signaling, immune homeostasis, and Galectin-1 biology may also be interested in our Galectin 1 Antibody / Immune Regulation Protein Antibody.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 rat 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.

Copyright © NSJ Bioreagents. All rights reserved.