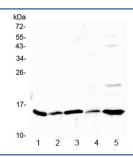


Galectin 1 Antibody (R32842)

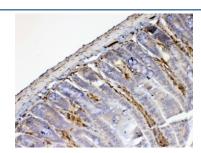
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R32842 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

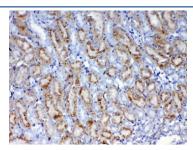
| Availability | 1-3 business days |
|--------------------|---|
| Species Reactivity | Human, Mouse, Rat |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity |
| Buffer | Lyophilized from 1X PBS with 2.5% BSA, 0.025% 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. |



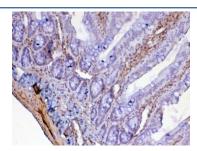
Western blot testing of 1) rat stomach, 2) rat ovary, 3) rat testis, 4) mouse kidney and 5) human HeLa lysate with Galectin 1 antibody at 0.5ug/ml. Predicted molecular weight ~ 15 kDa.



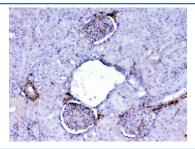
IHC testing of FFPE mouse small intestine tissue with Galectin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



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.

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.