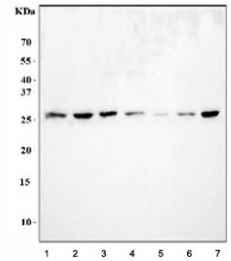
Galectin 3 Rabbit Polyclonal Antibody (R31507)

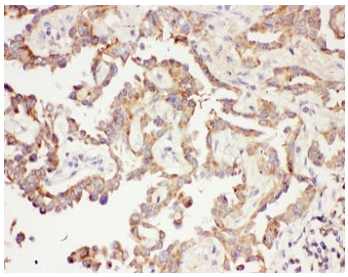
Catalog No.	Formulation	Size
R31507	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

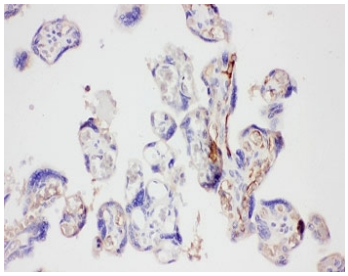
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
Gene ID	3958
Localization	Cytoplasmic, cell surface
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-4ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/10^6 cells
Limitations	This Galectin 3 Rabbit Polyclonal Antibody is available for research use only.



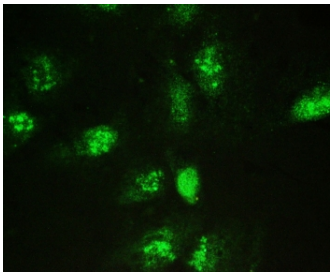
Western blot testing of human 1) HeLa, 2) SiHa, 3) U-87 MG, 4) RT4, 5) HaCaT, 6) PC-3 and 7) T-47D cell lysate with Galectin 3 Rabbit Polyclonal Antibody. Predicted molecular weight ~26 kDa.



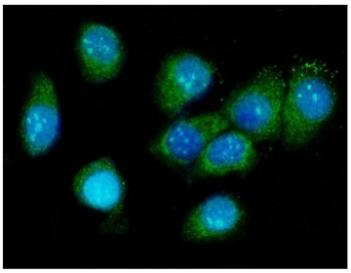
IHC-P: Galectin 3 antibody testing of human lung cancer tissue. HIER: steam section in pH6 citrate buffer for 20 min.



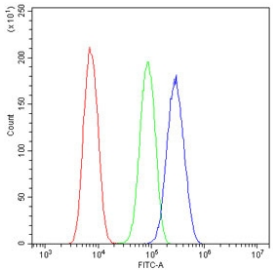
IHC-P: Galectin 3 Rabbit Polyclonal Antibody testing of human placenta tissue. HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human U-2 OS cells with Galectin 3 antibody at 2ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human SiHa cells with Galectin 3 antibody (green) at and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human U-2 OS cells with Galectin 3 Rabbit Polyclonal Antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Galectin 3 Antibody.

Description

Galectin 3 (GAL3), also known as LGALS3, MAC2 or GALBP, is a member of the lectin family, of which 14 mammalian galectins have been identified. Galectin-3 is encoded by a single gene, it located on chromosome 14, locus q21-q22. It is expressed in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. Studies have also shown that the expression is implicated in a variety of processes associated with heart failure, including myofibroblast proliferation, fibrogenesis, tissue repair, inflammation, and Ventricular remodeling. Galectin 3 is expressed in various tissues and organs, but is significantly absent in normal hepatocytes.

Explore our Galectin-3 Antibody LGALS3/6583 for additional research tools targeting LGALS3, with Western blot,

immunohistochemistry, and HuProt protein microarray validation.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Galectin 3 Rabbit Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 139-250) was used as the immunogen for this Galectin 3 antibody.

Storage

After reconstitution, the Galectin 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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