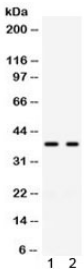
GAL4 Antibody / Galectin-4 (R32387)

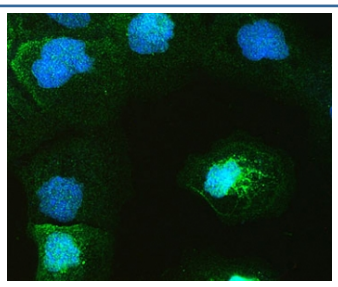
Catalog No.	Formulation	Size
R32387	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

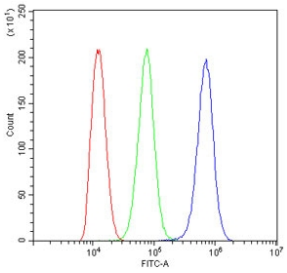
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P56470
Applications	Western Blot : 0.1-0.5ug/ml Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/10^6 cells
Limitations	This GAL4 antibody is available for research use only.



Western blot testing of human 1) SW620 and 2) COLO320 cell lysate with GAL4 antibody. Expected molecular weight ~36 kDa.



IF/ICC staining of FFPE human A431 cells with GAL4 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human ThP1 cells with GAL4 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GAL4 antibody.

Description

Galectin-4 is a protein that in humans is encoded by the LGALS4 gene. This gene is mapped to chromosome 19q13.2 based on an alignment of the LGALS4 sequence. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS4 is an S-type lectin that is strongly underexpressed in colorectal cancer. The 323-amino acid LGALS4 protein contains 2 homologous, approximately 150-amino acid carbohydrate recognition domains and all amino acids typically conserved in galectins.

Application Notes

Optimal dilution of the GAL4 antibody should be determined by the researcher.

Immunogen

Amino acids DRFKVYANGQHLFDFAHRLSAFQRVDTLEIQGDVTLSY were used as the immunogen for the GAL4 antibody.

Storage

After reconstitution, the GAL4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com