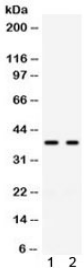
# GAL4 Antibody / Galectin-4 (R32387)

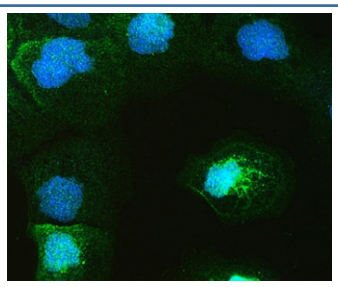
| Catalog No. | Formulation | Size |
|---|---|---|
| R32387 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

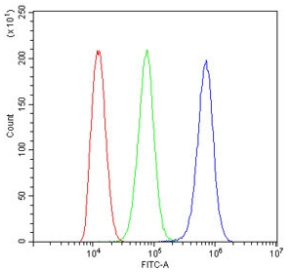
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | P56470 |
| **Applications** | Western blot: 0.1-0.5ug/ml<br>Immunofluorescence/Immunocytochemistry (FFPE): 2-4ug/ml<br>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
Copyright © NSJ Bioreagents. All rights reserved.