

Product Datasheet

Galectin 2/LGALS2 Antibody (orb669233)

Catalog Number orb669233

Category Antibodies

Description Anti-Galectin 2/LGALS2 Antibody. Tested in ELISA, Flow Cytometry, IF, IHC, ICC,

WB applications. This antibody reacts with Human.

Clonality Polyclonal

Species/Host Rabbit

Isotype Rabbit IgG

Conjugation Unconjugated

Reactivity Human

Form/Appearance Lyophilized

Concentration Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

Purification Immunogen affinity purified.

Immunogen E.coli-derived human Galectin 2/LGALS2 recombinant protein (Position: M1-

E132).

UniProt ID P05162

MW 15 kDa

Tested applications ELISA, FC, ICC, IF, IHC, WB

Application notes Western blot, 0.25-0.5μg/ml, Human Immunohistochemistry (Paraffin-embedded

Section), 2-5 μ g/ml, Human Immunocytochemistry/Immunofluorescence, 5 μ g/ml, Human Flow Cytometry (Fixed), 1-3 μ g/1x106 cells, Human ELISA, 0.1-0.5 μ g/ml, -.

Add 0.2ml of distilled water will yield a concentration of 500ug/ml





Cross Reactivity No cross-reactivity with other proteins.

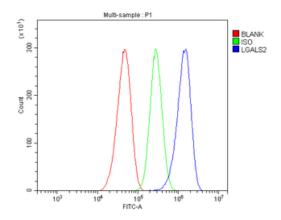
Antibody Type Primary Antibody

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -

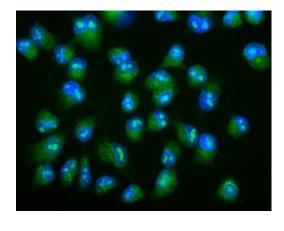
20°C in small aliquots to prevent freeze-thaw cycles.

Note For research use only

Expiration Date 12 months from date of receipt.



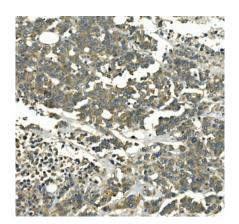
Flow Cytometry analysis of CACO-2 cells using anti-Galectin 2/LGALS2 antibody. Overlay histogram showing CACO-2 cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Galectin 2/LGALS2 Antibody (1 μ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit lgG (5-10 μ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit lgG (1 μ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody. Galectin 2/LGALS2 was detected in immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 μg/mL rabbit anti-Galectin 2/LGALS2 Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



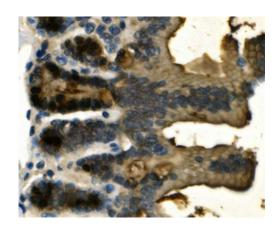




IHC analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody. Galectin 2/LGALS2 was detected in paraffinembedded section of human pancreatic cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Galectin 2/LGALS2 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody. Galectin 2/LGALS2 was detected in paraffinembedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Galectin 2/LGALS2 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

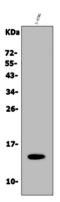


IHC analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody. Galectin 2/LGALS2 was detected in paraffinembedded section of mouse intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Galectin 2/LGALS2 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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Western blot analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: human U-87MG whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Galectin 2/LGALS2 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Galectin 2/LGALS2 at approximately 15 KD. The expected band size for Galectin 2/LGALS2 is at 15 KD.

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