Product datasheet

Anti-Galectin 2/LGALS2 Antibody

Catalog Number: ***A04114-2***

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Galectin 2/LGALS2 Antibody
Gene Name	LGALS2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human Galectin 2/LGALS2 recombinant protein (Position: M1-E132).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	15 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Galectin-2 is a protein that in humans is encoded by the LGALS2 gene. The protein encoded by this gene is a soluble beta-galactoside binding lectin. The encoded protein is found as a homodimer and can bind to lymphotoxin-alpha. A single nucleotide polymorphism in an intron of this gene can alter the transcriptional level of the protein, with a resultant increased risk of myocardial infarction.

Reference

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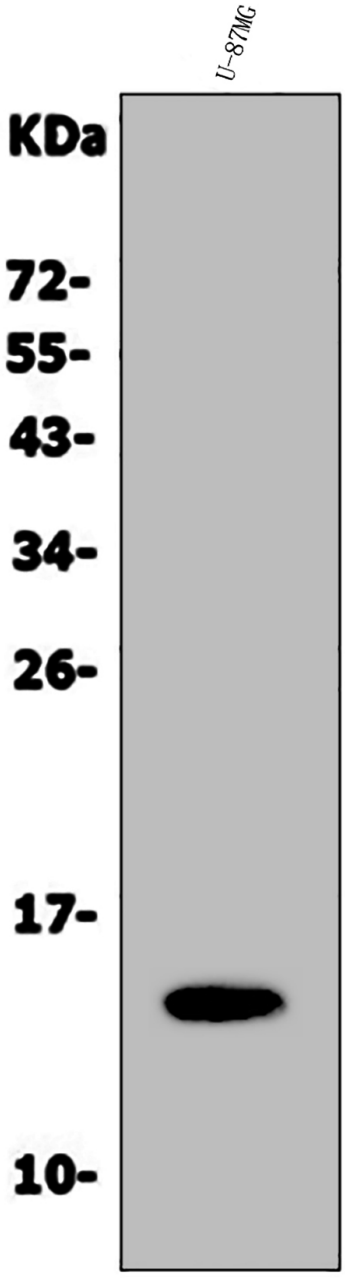
Anti-Galectin 2/LGALS2 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody (A04114-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Human U-87MG whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Galectin 2/LGALS2 antigen affinity purified polyclonal antibody (A04114-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Galectin 2/LGALS2 at approximately 15 kDa. The expected band size for Galectin 2/LGALS2 is at 15 kDa.

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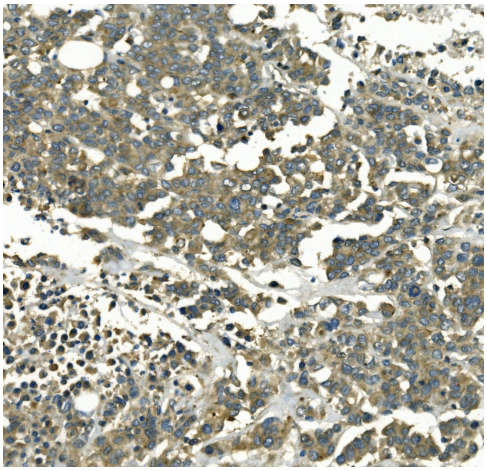
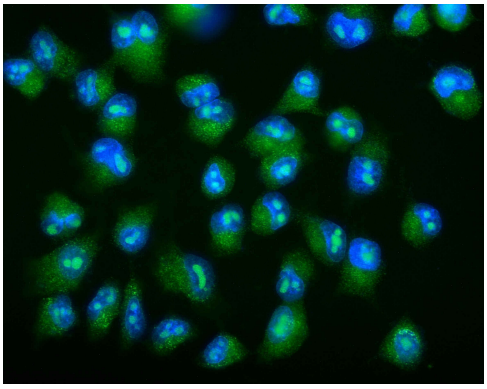
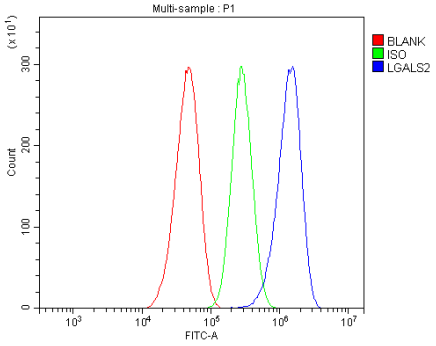


IHC analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody (A04114-2).
Galectin 2/LGALS2 was detected in a paraffin-embedded section of human pancreatic cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Galectin 2/LGALS2 Antibody (A04114-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of Galectin 2/LGALS2 using anti-Galectin 2/LGALS2 antibody (A04114-2).
Galectin 2/LGALS2 was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-Galectin 2/LGALS2 Antibody (A04114-2) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of Caco-2 cells using anti-Galectin 2/LGALS2 antibody (A04114-2).
Overlay histogram showing Caco-2 cells stained with A04114-2 (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 (A04114-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.