Leader in Biomolecular Solutions for Life Science

Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A11198

Recombinant | 8 Publications

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Basic Information

Observed MW
28 kDa

Calculated MW
26 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IHC-P, IF/ICC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC0542

Background

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix,the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis,innate immunity,cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:1000 - 1:15000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IHC-P	1:200 - 1:800
IF/ICC	1:50 - 1:100
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3958

Swiss-Prot
P17931

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2; Galectin 3/LGALS3

Contact

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Product Information

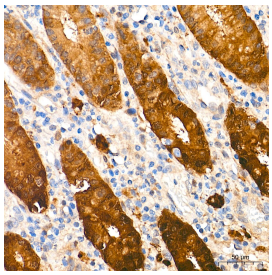
Source
Rabbit

Isotype
IgG

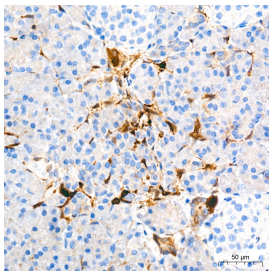
Purity
Affinity purification

Storage
Store at -20℃

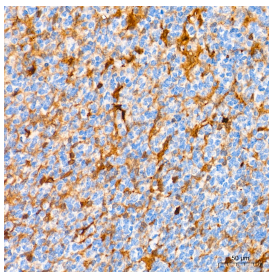
Validation Data



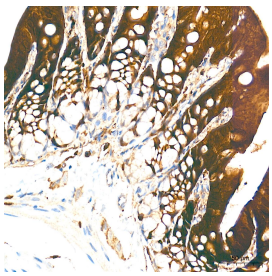
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



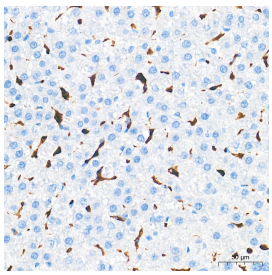
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



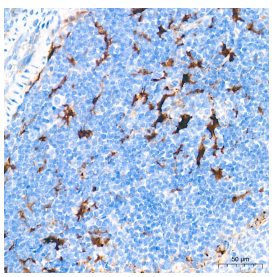
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



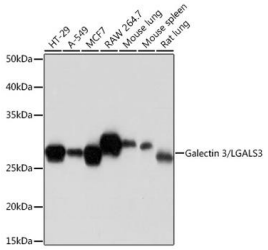
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



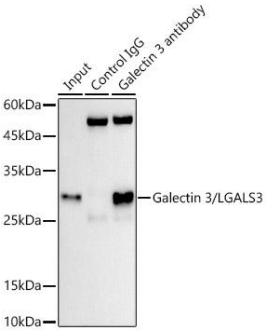
Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



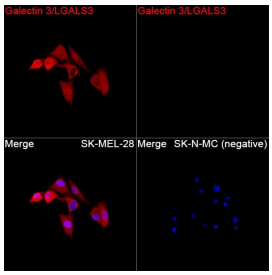
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of various lysates using Galectin 3/LGALS3 Rabbit mAb (A11198) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunoprecipitation analysis of 300 µg extracts of HT-29 cells using 3 µg Galectin 3 /LGALS3 antibody (A11198). Western blot was performed from the immunoprecipitate using Galectin 3/LGALS3 antibody (A11198) at a dilution of 1: 1000.



Immunofluorescence analysis of SK-MEL-28 cells and SK-N-MC cells (negative) using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:100 (40x lens).
Secondary antibody: Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.