

Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A11198 **Recombinant** **7 Publications**

Basic Information

Observed MW

28kDa

Calculated MW

26kDa

Category

Primary antibody

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

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 - 1:6000

IHC-P 1:200 - 1:800

IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

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

Purification

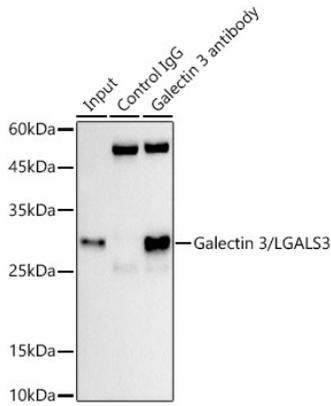
Affinity purification

Storage

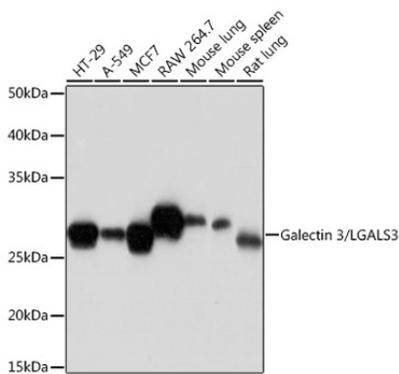
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

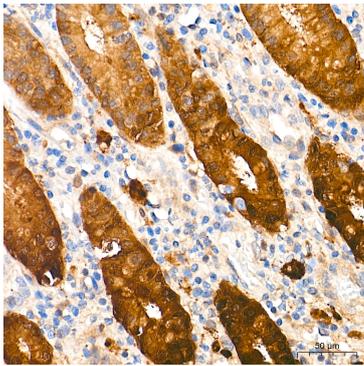
Validation Data



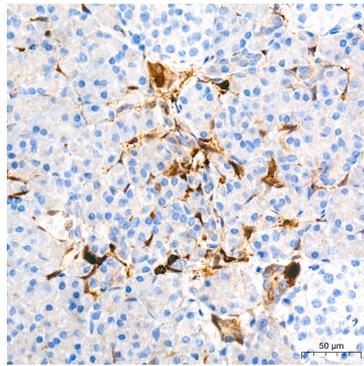
Immunoprecipitation analysis of 300 µg extracts of HT-29 cells using 3 µg Galectin 3/LGALS3 antibody (A11198). Western blot was performed from the immunoprecipitate using Galectin 3/LGALS3 antibody (A11198) at a dilution of 1:1000.



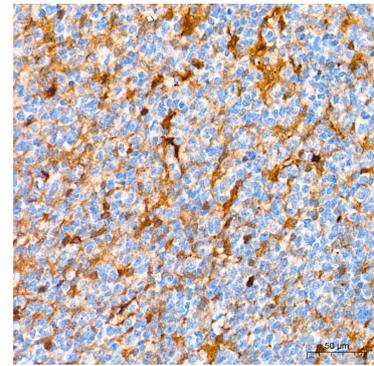
Western blot analysis of various lysates using Galectin 3/LGALS3 Rabbit mAb (A11198) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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



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.

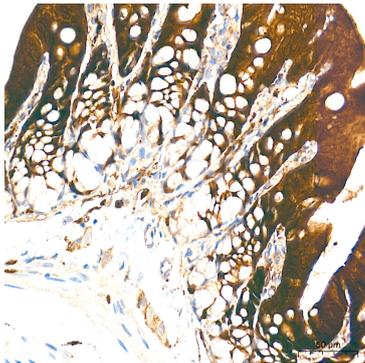


Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

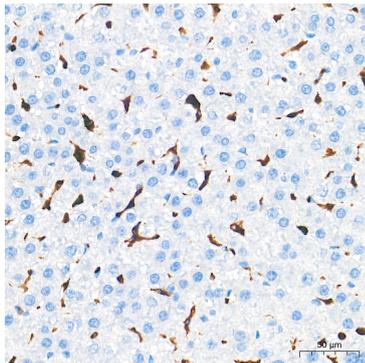


Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

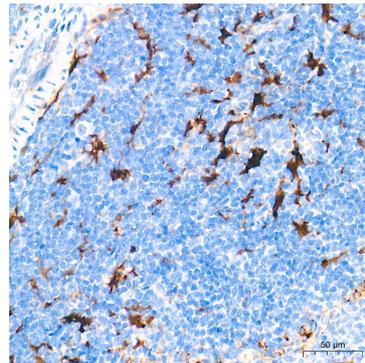
Validation Data



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.