A11198

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Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A11198 Recombinant 5 Publications

Basic Information

Observed MW
28kDa

Calculated MW
26kDa

Category
SMab Recombinant Monoclonal 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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

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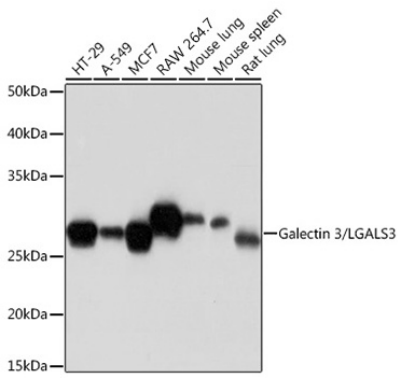
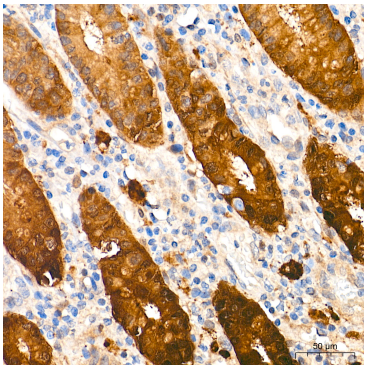
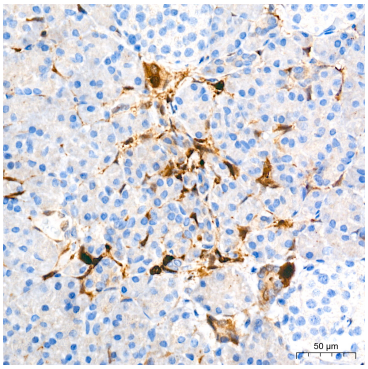
Validation Data



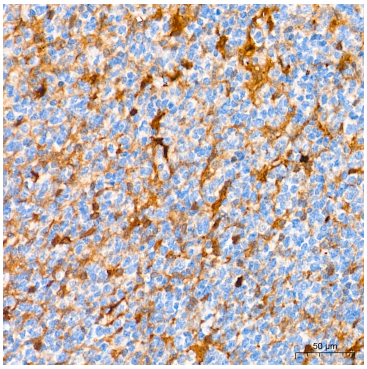
Western blot analysis of various lysates using Galectin 3/LGALS3 Rabbit mAb (A11198) at 1 : 1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit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



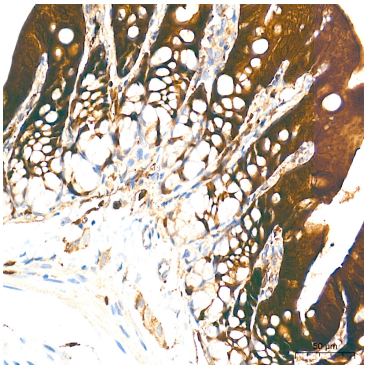
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



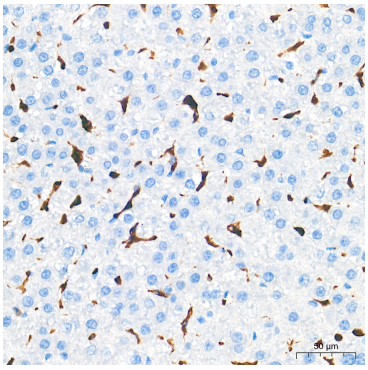
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



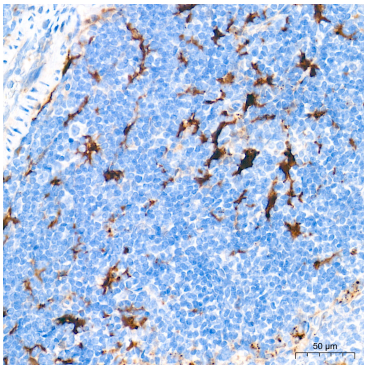
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.

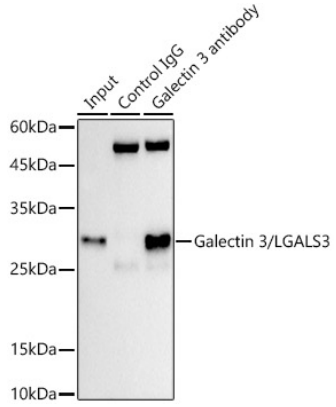


Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Galectin 3/LGALS3 Rabbit mAb (A11198) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.

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.