

Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A11198

Recombinant

4 Publications

Basic Information

Observed MW

28kDa

Calculated MW

26kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

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 1:500 - 1:1000

IHC-P 1:50 - 1:200

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

Immunogen Information

Gene ID

3958

Swiss Prot

P17931

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Galectin 3/LGALS3 (P17931).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

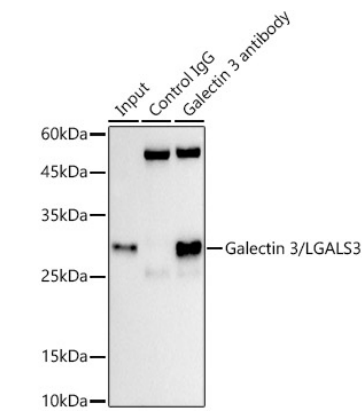
Affinity purification

Storage

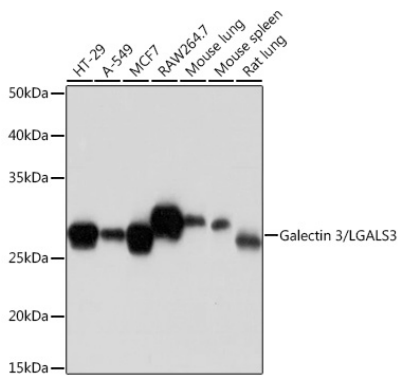
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

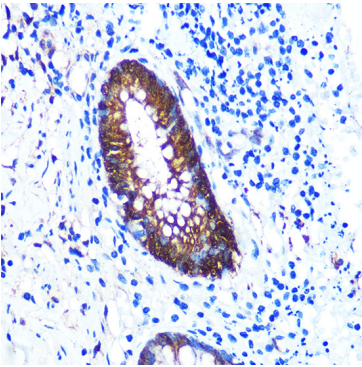
Validation Data



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 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 Galectin 3/LGALS3 in paraffin-embedded human appendix using Galectin 3/LGALS3 Rabbit mAb (A11198) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.