

# Galectin 3/LGALS3 Rabbit pAb

Catalog No.: A14619 **2 Publications**

## Basic Information

### Observed MW

30kDa

### Calculated MW

26kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

## Immunogen Information

### Gene ID

3958

### Swiss Prot

P17931

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 105-250 of human Galectin 3/LGALS3 (NP\_002297.2).

### Synonyms

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

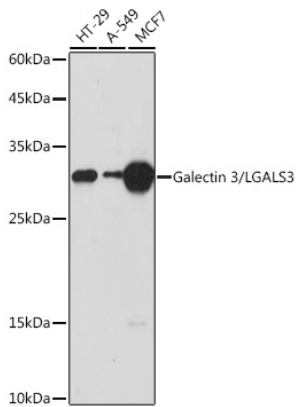
Affinity purification

### Storage

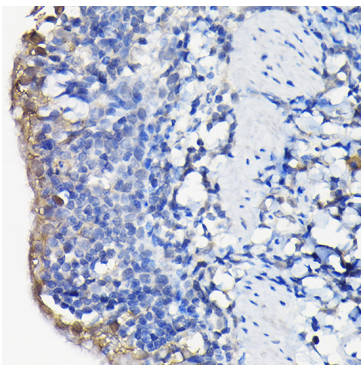
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

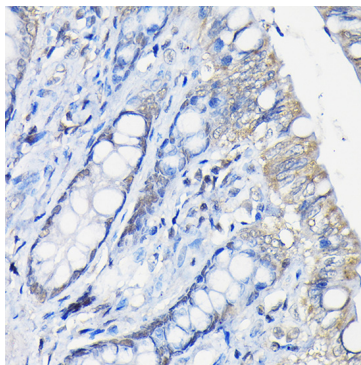
## Validation Data



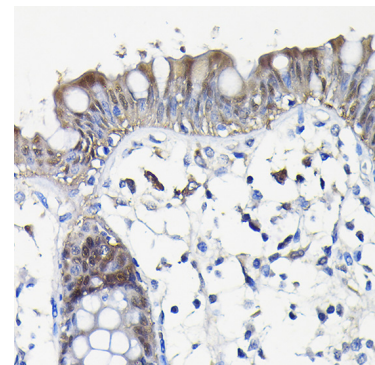
Western blot analysis of various lysates using Galectin 3/LGALS3 Rabbit pAb (A14619) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



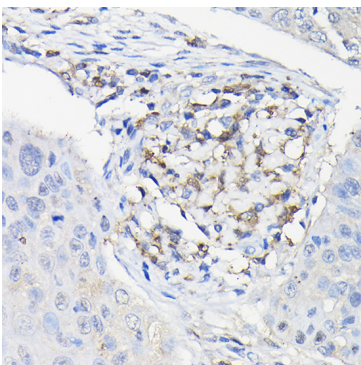
Immunohistochemistry analysis of paraffin-embedded Rat lung using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



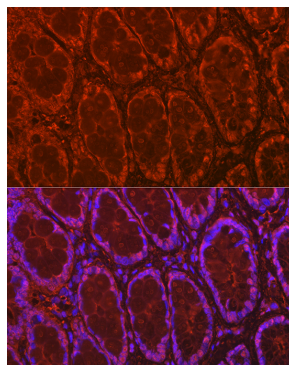
Immunohistochemistry analysis of paraffin-embedded Rat colon using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



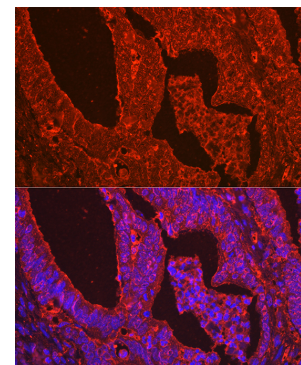
Immunohistochemistry analysis of paraffin-embedded Human colon using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



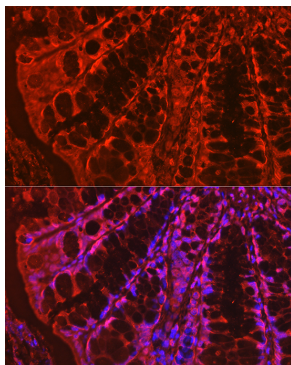
Immunofluorescence analysis of paraffin-embedded rat rectum using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded human colon carcinoma using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at 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.

## Validation Data

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Immunofluorescence analysis of paraffin-embedded mouse colon using Galectin 3/Galectin 3/LGALS3 Rabbit pAb (A14619) at 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.