

# Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A22768

Recombinant

2 Publications

## Basic Information

**Observed MW**

28kDa

**Calculated MW**

26kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, IP, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC58277

## 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** 1:10000 - 1:40000**IF/ICC** 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.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Immunogen Information

**Gene ID**

3958

**Swiss Prot**

P17931

**Immunogen**

Recombinant protein (or fragment). 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**

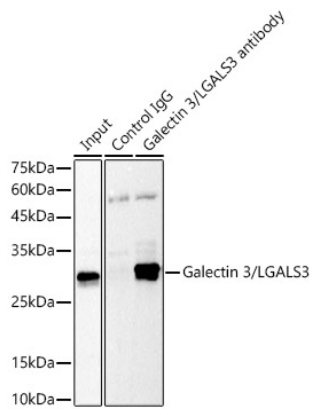
Affinity purification

**Storage**

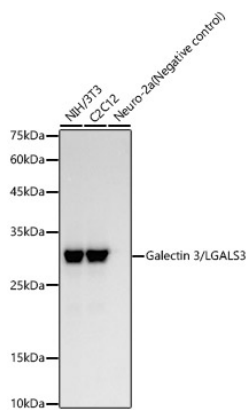
Store at -20°C. Avoid freeze / thaw cycles.

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.

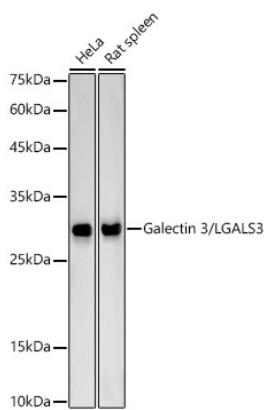
Validation Data



Immunoprecipitation analysis of 300 µg extracts of MCF7 cells using 3 µg Galectin 3/LGALS3 antibody (A22768). Western blot was performed from the immunoprecipitate using Galectin 3/LGALS3 antibody (A22768) at a dilution of 1:1000.



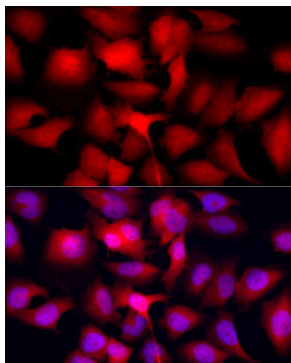
Western blot analysis of various lysates, using Galectin 3/LGALS3 Rabbit mAb (A22768) at 1:10000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



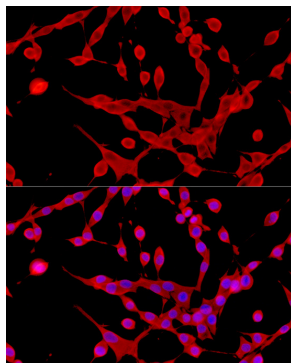
Western blot analysis of various lysates, using Galectin 3/LGALS3 Rabbit mAb (A22768) at 1:10000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.

## Validation Data

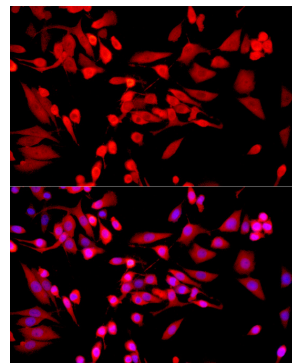
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Immunofluorescence analysis of HeLa cells using Galectin 3/LGALS3 Rabbit mAb (A22768) at dilution of 1:500 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Galectin 3/LGALS3 Rabbit mAb (A22768) at dilution of 1:500 (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 PC-12 cells using Galectin 3/LGALS3 Rabbit mAb (A22768) at dilution of 1:500 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.