

Rabbit Anti-Galectin 3 antibody

SL10377R

Product Name Galectin 3

Chinese Name 半乳糖凝集素 3 抗体

Galectin-3; 35 kDa lectin; Carbohydrate binding protein 35; CBP 35; CBP35; GAL 3; GAL3; GAL-3; Galactose specific lectin 3; Galactose-specific lectin 3; Galactoside binding protein; Galactoside-binding protein; GALBP; Galectin3 internal gene,included; Galectin3; GALIG; GBP; IgE binding protein; IgE-binding protein; L 31; L 34; L-34

Alias galactoside-binding lectin; L31; Laminin binding protein; Laminin-binding protein; Lectin galactose binding soluble 3; Lectin galactoside binding soluble 3; Lectin L 29; Lectin L-29; Lectin, galactose binding, soluble 3; LGALS 3; LGALS2; LGALS3; LGALS3 protein; MAC 2 antigen; Mac-2; MAC2; Macrophage galactose-specific lectin; MGC105387; LEG3_MOUSE.

Research Area Tumour immunology Apoptosis Cell adhesion molecule Cell Surface Molecule

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse, Rat,

IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 29kDa

Cellular localization The nucleus cytoplasmic Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from mouse Galectin-3: 181-262/262

Lsotype IgG

Purification affinity purified by Protein A

Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.



Solution**Storage**

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

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. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010].

Function:

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells.

**Product
Detail****Subunit:**

Probably forms homo- or heterodimers. Interacts with DMBT1. Forms a complex with the ITGA3, ITGB1 and CSPG4. Interacts with LGALS3BP, LYPD3, CYHR1 and UACA.

Subcellular Location:

Cytoplasm. Nucleus. Secreted. Note=Secreted by a non-classical secretory pathway and associates with the cell surface.

Tissue Specificity:

A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages.

Similarity:

Contains 1 galectin domain.

SWISS:

P16110

Gene ID:

16854

Database links:

[Entrez Gene: 3958](#) Human

[Entrez Gene: 16854](#) Mouse

[Entrez Gene: 83781](#) Rat

[Omim: 153619](#) Human

[SwissProt: P17931](#) Human

[SwissProt: P16110](#) Mouse

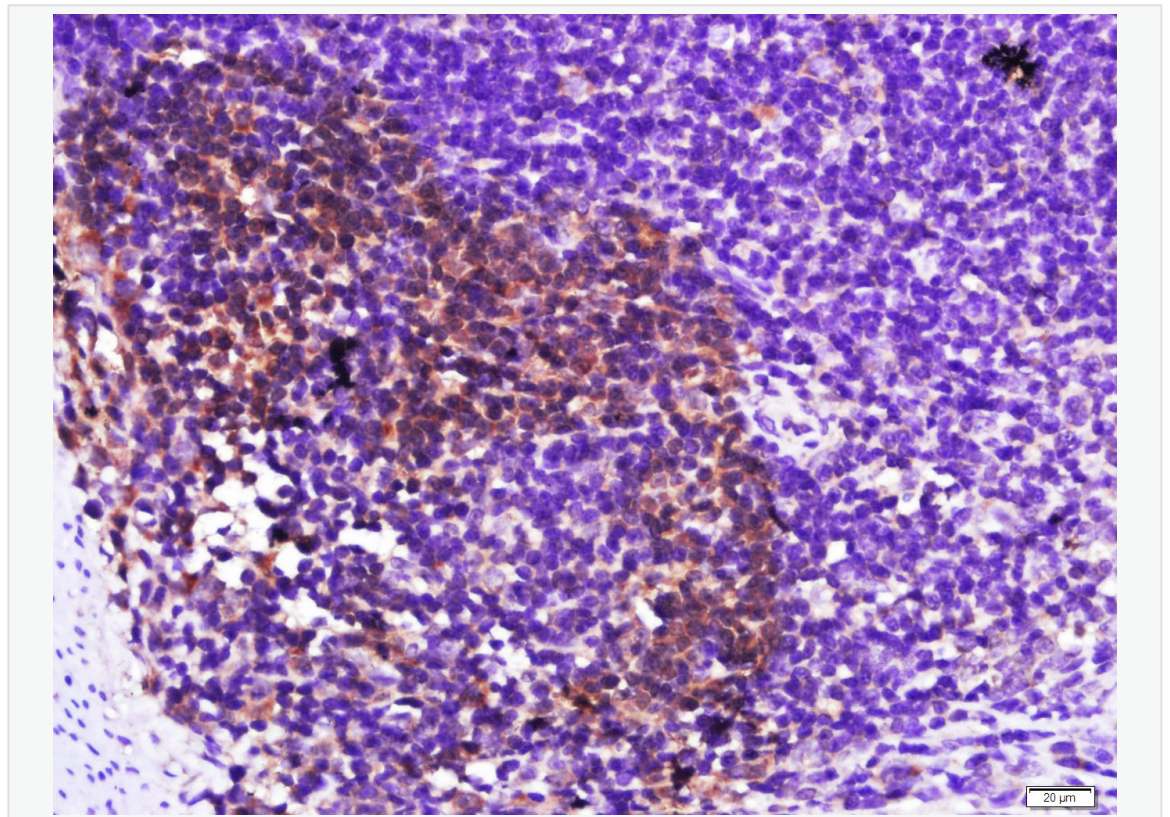
[SwissProt: P08699](#) Rat

[Unigene: 531081](#) Human

[Unigene: 248615](#) Mouse

[Unigene: 764](#) Rat

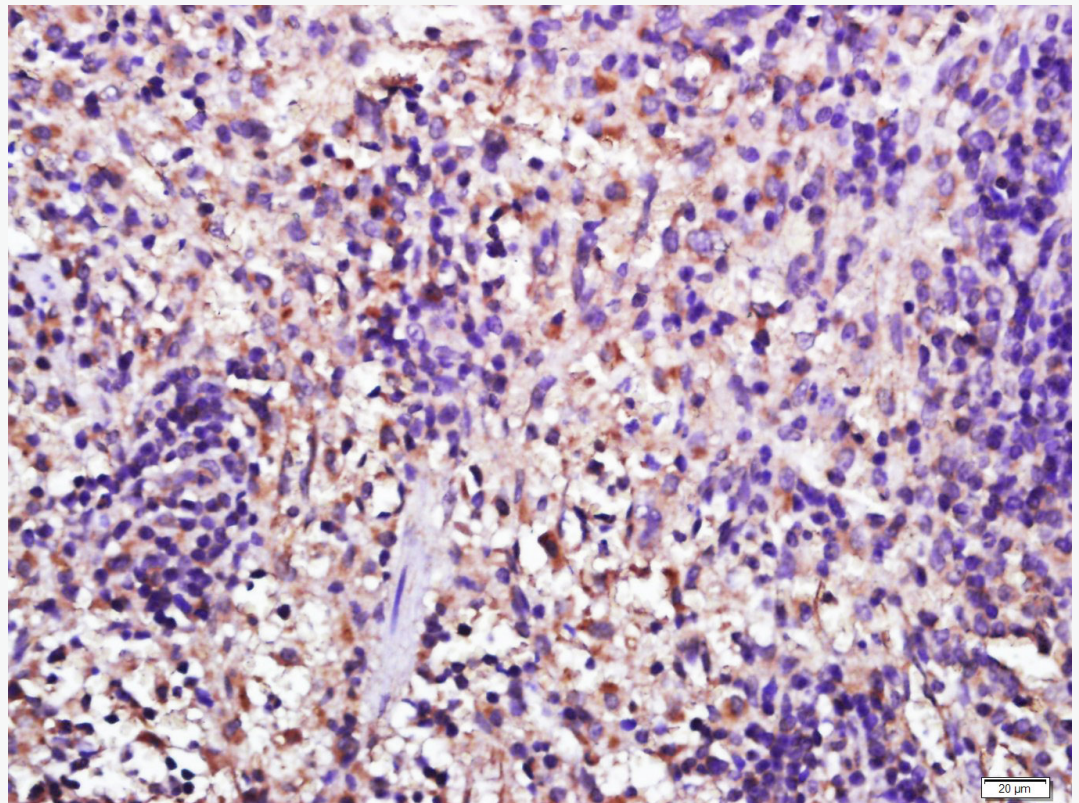
**Product
Picture**



Tissue/cell: Rat lymph node from small intestine; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

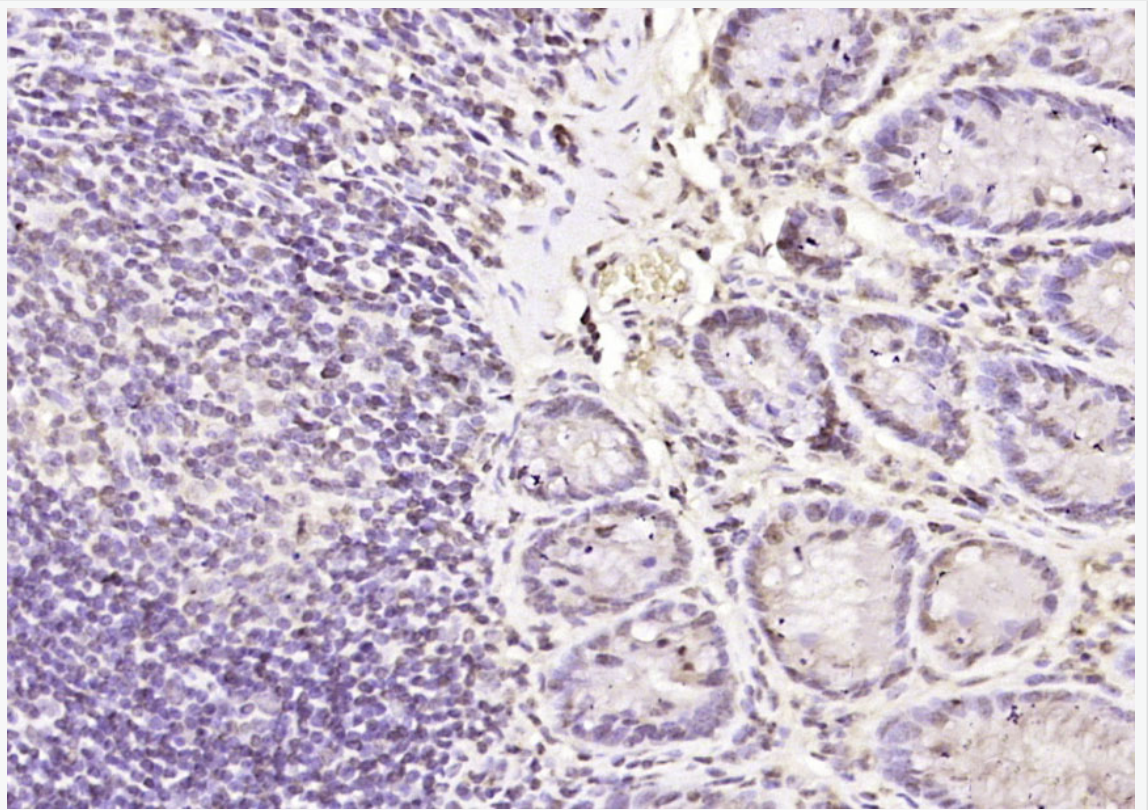
Incubation: Anti-Galectin-3 Polyclonal Antibody, Unconjugated(SL10377R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Galectin-3 Polyclonal Antibody, Unconjugated(SL10377R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for



SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

30min; Antibody incubation with (Galectin-3) Polyclonal Antibody, Unconjugated (SL10377R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.