



Rabbit Anti-Galectin 9 antibody

SL0604R

Product Name Galectin 9

Chinese Name 半乳糖凝集素 9 抗体

Alias LGALS9; 36 kDa beta-galactoside-binding lectin; Ecalectin; Gal-9; Galectin-9; galectin9; HOM HD 21; HOMHD21; HUAT; Lectin galactoside binding soluble 9; LEG9_HUMAN; LGAL S9; LGALS 9; LGALS9A; MGC117375; MGC125973; MGC125974; Tumor antigen HOM-HD-21; UAT; Urate transporter/channel; Urate transporter/channel protein;

Research Area Tumour Cell biology transcriptional regulatory factor glycoprotein

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse, Rat,

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 39kDa

Cellular localization cytoplasmic Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from mouse galectin 9: 101-180/353

Lsotype IgG

Purification affinity purified by Protein A

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

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](#)

Binds galactosides. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death (By similarity). May provide the molecular basis for urate flux across cell membranes, allowing urate that is formed during purine metabolism to efflux from cells and serving as an electrogenic transporter that plays an important role in renal and gastrointestinal urate excretion. Highly selective to the anion urate.

Subunit:

Homodimer.

Subcellular Location:

Cytoplasm. Secreted. Note=May also be secreted by a non-classical secretory pathway.

Tissue Specificity:

Accentuated expression in liver and thymus of embryo, detected in embryonic heart, brain, lung, liver, and kidney. Highly expressed in adult thymus, small intestine, and liver, and to a lesser extent in lung, kidney, spleen, cardiac, and skeletal muscle. Barely detectable in brain and reticulocyte. The isoform Long is expressed exclusively in the small intestine.

**Product
Detail**

Similarity:

Contains 2 galectin domains.

SWISS:

P97840

Gene ID:

3965

Database links:

[Entrez Gene: 3965](#) Human

[Entrez Gene: 16859](#) Mouse

[Entrez Gene: 25476](#) Rat

[Omim: 601879](#) Human

[SwissProt: O00182](#) Human

[SwissProt: O08573](#) Mouse

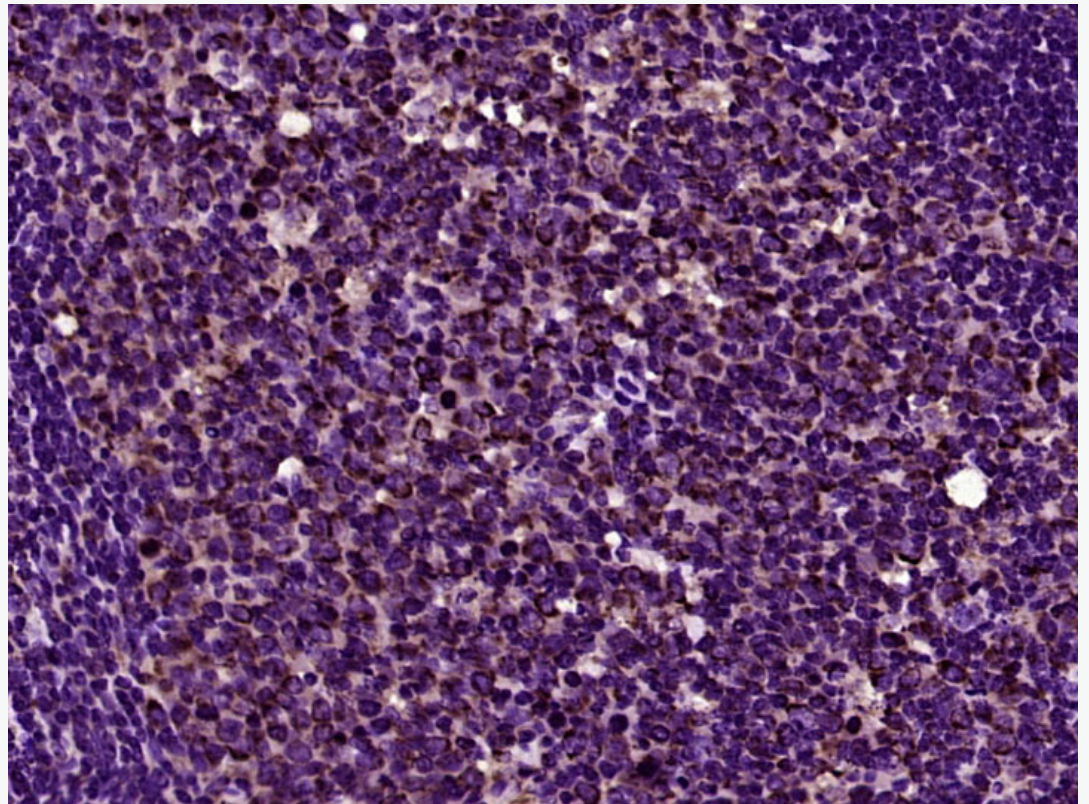
[SwissProt: P97840](#) Rat

[Unigene: 81337](#) Human

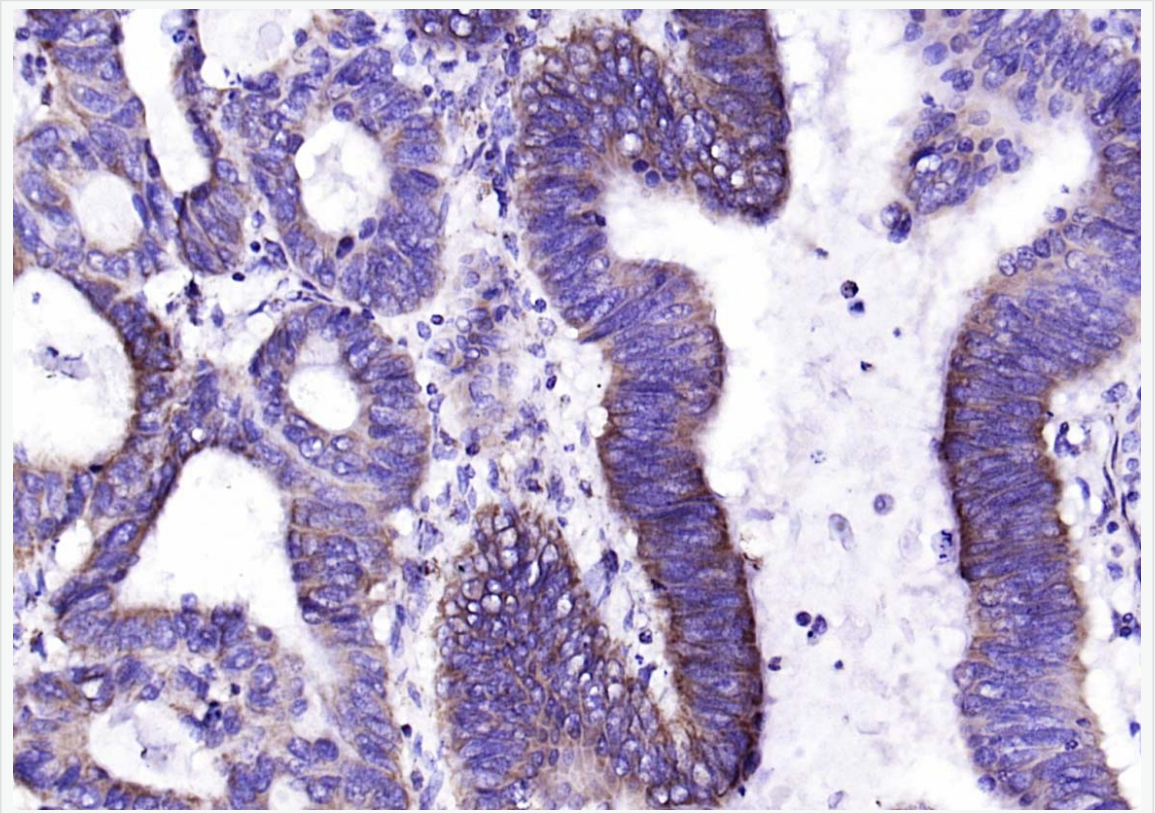
[Unigene: 341434](#) Mouse

[Unigene: 10706](#) Rat

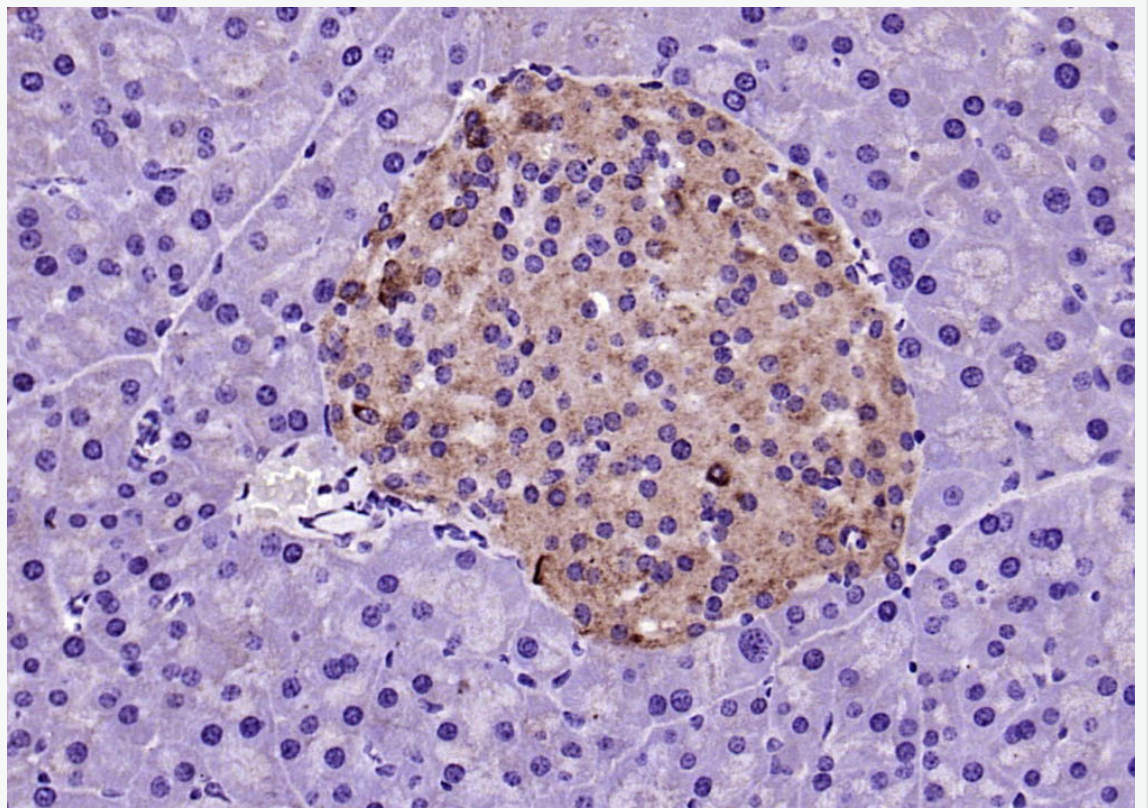
**Product
Picture**



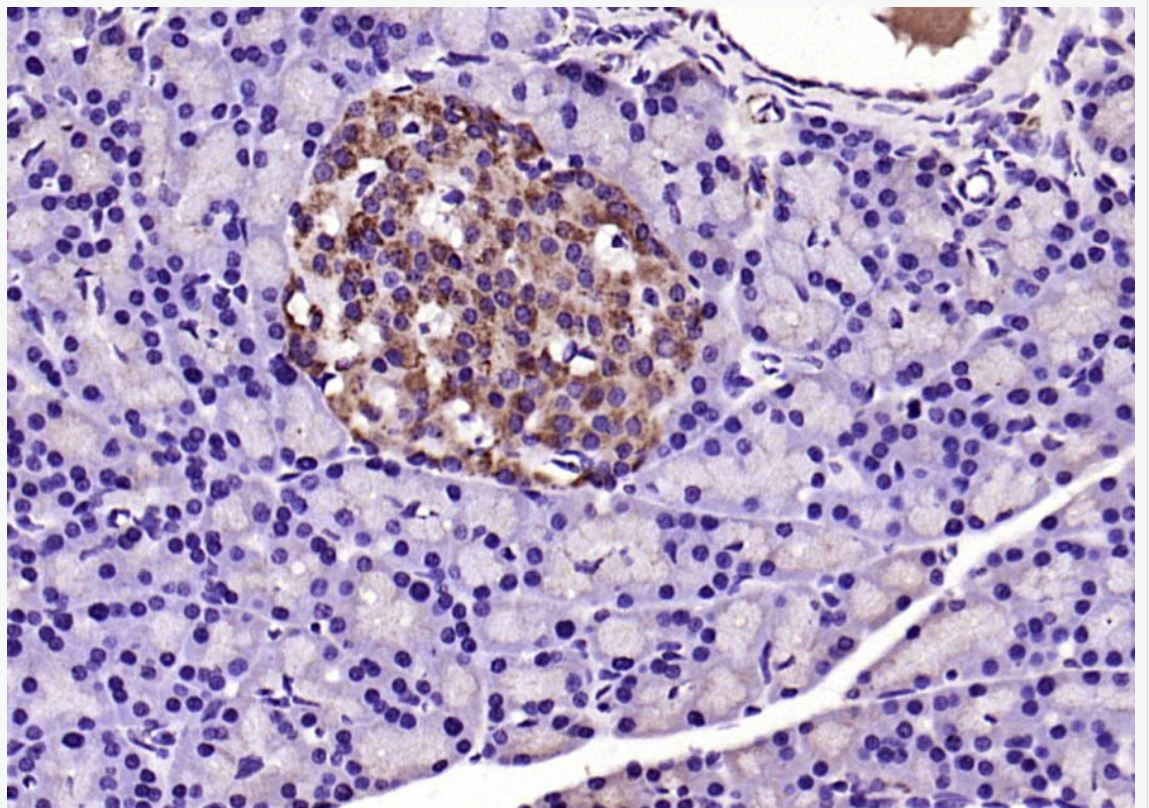
Paraformaldehyde-fixed, paraffin embedded (Human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (galectin 9) Polyclonal Antibody, Unconjugated (SL0604R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



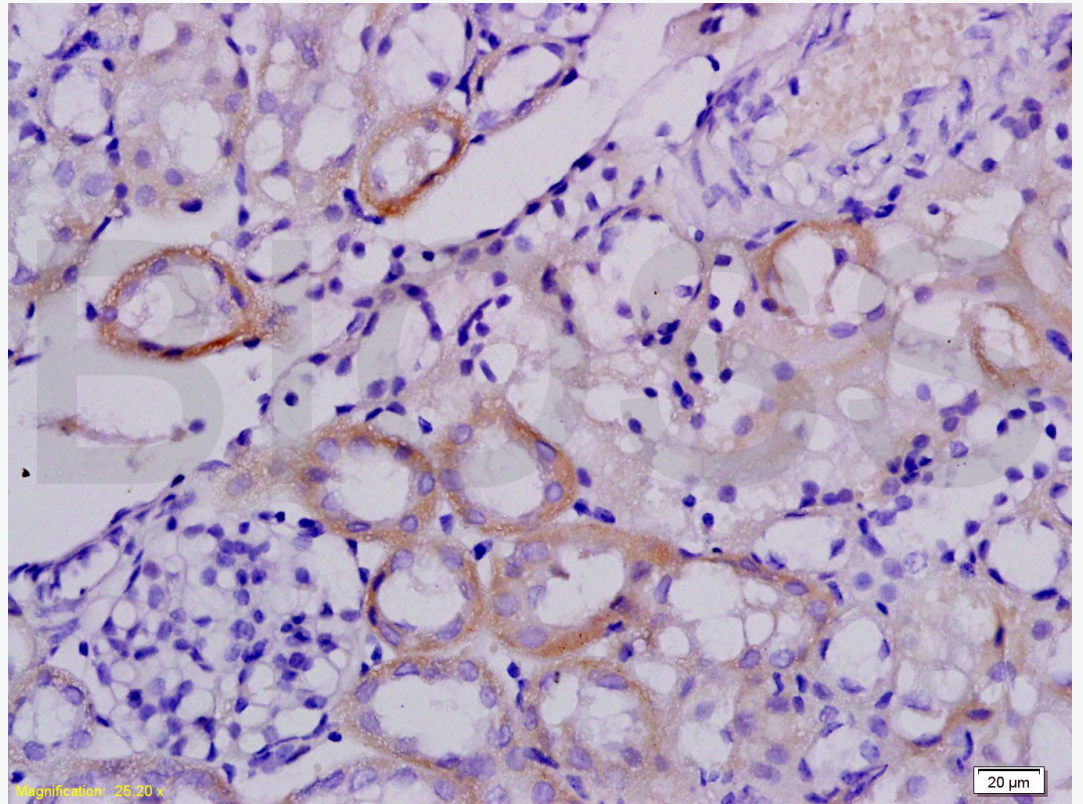
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (galectin 9) Polyclonal Antibody, Unconjugated (SL0604R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); 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 30min; Antibody incubation with (galectin 9) Polyclonal Antibody, Unconjugated (SL0604R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

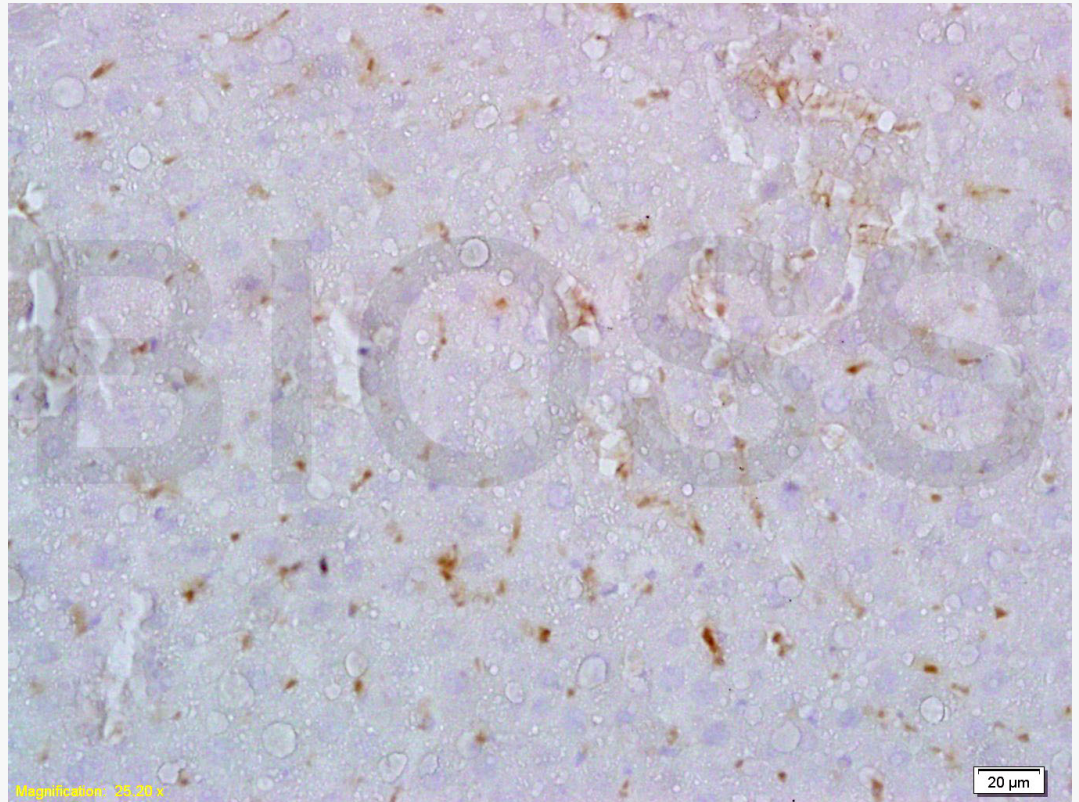


Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (galectin 9) Polyclonal Antibody, Unconjugated (SL0604R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse kidney 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-9 Polyclonal Antibody, Unconjugated(SL0604R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining



Tissue/cell: rat liver 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-9 Polyclonal Antibody, Unconjugated(SL0604R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining