



Rabbit Anti-galectin 9 antibody

SL0604R

Product Name:	galectin 9
Chinese Name:	半乳糖凝集素9抗体
Alias:	Ecalectin; galectin9; HOM HD 21; HOMHD21; HUAT; Lectin galactoside binding soluble 9; LGAL S9; LGALS 9; LGALS9; LGALS9A; MGC117375; MGC125973; MGC125974 ; Urate transporter/channel protein; Galectin-9; Gal-9.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmicSecretory protein
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Similarity:

Contains 2 galectin domains.

SWISS:

P97840

Gene ID:

3965

Database links:

[Entrez Gene: 3965](#)Human

[Entrez Gene: 16859](#)Mouse

[Entrez Gene: 25476](#)Rat

[Omin: 601879](#)Human

[SwissProt: O00182](#)Human

[SwissProt: O08573](#)Mouse

[SwissProt: P97840](#)Rat

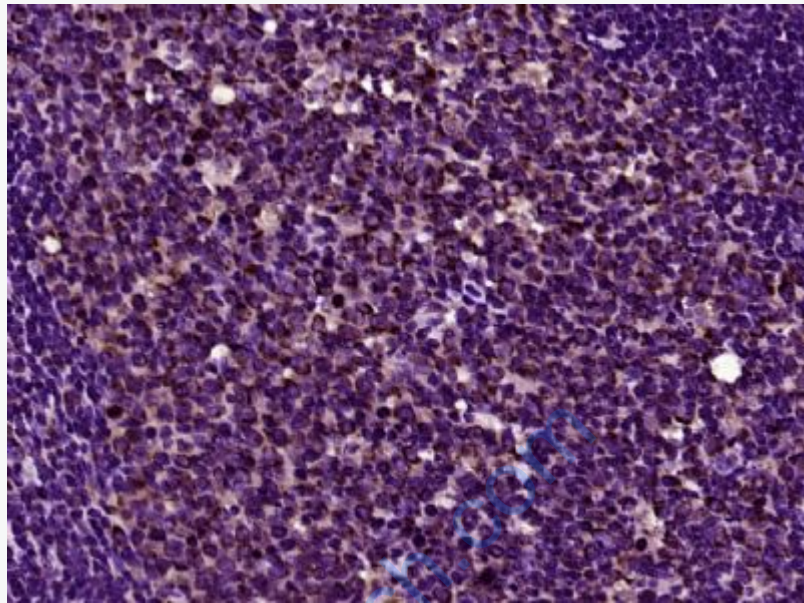
[Unigene: 81337](#)Human

[Unigene: 341434](#)Mouse

[Unigene: 10706](#)Rat

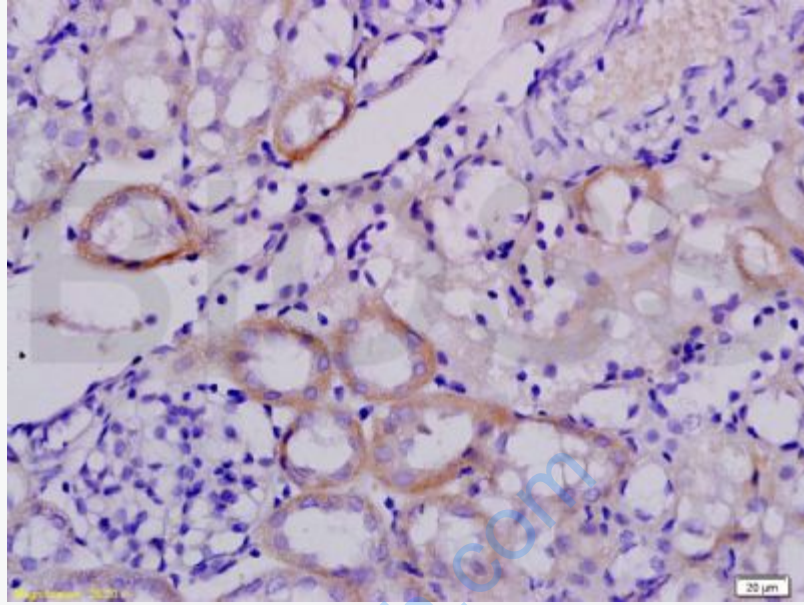
Important Note:

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



Picture:

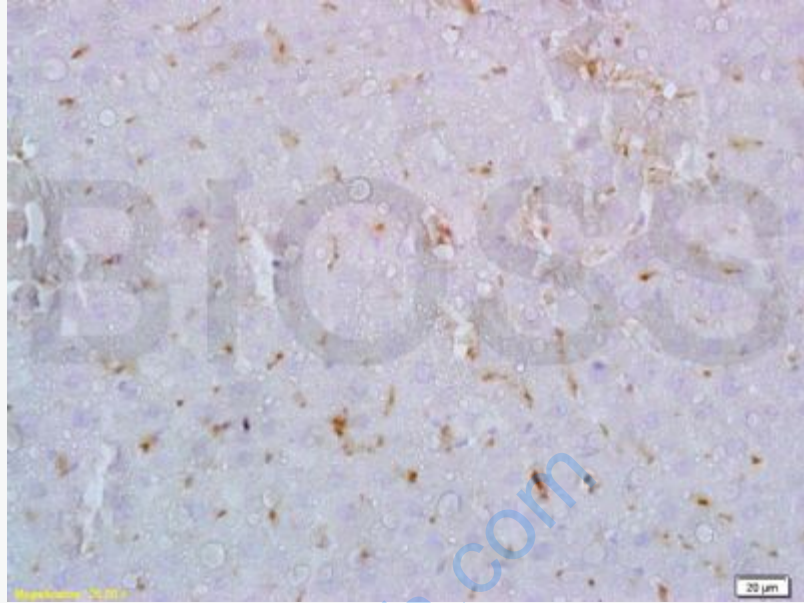
Paraformaldehyde-fixed, paraffin embedded (Human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (galectin 9) Polyclonal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



Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, 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 (0.01M, 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