

Rabbit Anti-Galectin 1/APC Conjugated antibody

SL6594R-APC

Product Name	Anti-Galectin 1/APC
Chinese Name	APC 标记的半乳糖凝集素 1 抗体
Alias	14 kDa laminin-binding protein; 14 kDa lectin; Beta galactoside binding lectin; Beta galactoside binding lectin L 14 I; beta galactoside binding protein; Beta-galactoside-binding lectin L-14-I; Gal 1; Gal-1; Galaptin; Galbp; Galectin; Galectin-1;Galectin1; GBP; HBL; HLBP14; HPL; L 14.5; L-14.5; L14; Lactose binding lectin 1; Lactose-binding lectin 1; Lect14; Lectin galactoside binding soluble 1;Lectin galactoside-binding soluble 1; LEG1_HUMAN; LGALS 1; LGALS1; Lgals1 lectin galactose binding soluble 1; MAPK activating protein MP12; Putative MAPK activating protein MP12; Putative MAPK-activating protein PM12; S Lac lectin 1; S-Lac lectin 1.
Research Area	Cell biology Signal transduction Apoptosis Cyclin
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Pig,Cow,Horse,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	15kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Galectin 1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq, Jul 2008].

Function:

May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase.

Subunit:

Homodimer. Binds LGALS3BP. Interacts with CD2, CD3, CD4, CD7, CD43 and CD45. Interacts with laminin (via poly-N-acetyllactosamine).

Subcellular Location:

Secreted, extracellular space, extracellular matrix.

Tissue Specificity:

Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein level). Expressed in cardiac, smooth, and skeletal muscle, neurons, thymus, kidney and hematopoietic cells.

Similarity:

Contains 1 galectin domain.

Database links:

[Entrez Gene: 3956](#) Human

[Entrez Gene: 16852](#) Mouse

[Entrez Gene: 56646](#) Rat

[Omim: 150570](#) Human

[SwissProt: P09382](#) Human

[SwissProt: P16045](#) Mouse

Product Detail



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[SwissProt: P11762](#) Rat

[Unigene: 445351](#) Human

[Unigene: 43831](#) Mouse

[Unigene: 57](#) Rat

Important Note:

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