



Galectin-1 Rabbit mAb

Catalog No	YP-rAb-17026
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	LGALS1
Protein Name	Galectin-1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:2000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	LGALS1 ; Galectin-1 ; Gal-1 ; 14 kDa laminin-binding protein ; HLBP14 ; 14 kDa lectin ; Beta-galactoside-binding lectin L-14-I ; Galaptin ; HBL ; HPL ; Lactose-binding lectin 1 ; Lectin galactoside-binding soluble 1 ; Putative MAPK-activating protein P
Observed Band	15kD
Calculated Molecular Weight	15kD
Cell Pathway	Secreted, extracellular space, extracellular matrix . Cytoplasm . Secreted . Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and secretion. .
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.
Function	May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45

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protein phosphatase activity and therefore the dephosphorylation of Lyn kinase.,online information:Galectin-1,similarity:Contains 1 galectin domain.,subunit:Homodimer. Binds LGALS3BP. Interacts with CD2, CD3, CD4, CD7, CD43 and CD45.,tissue specificity:Cardiac, smooth, and skeletal muscle, neurons, thymus, kidney, placenta and hematopoietic cells.,

Background

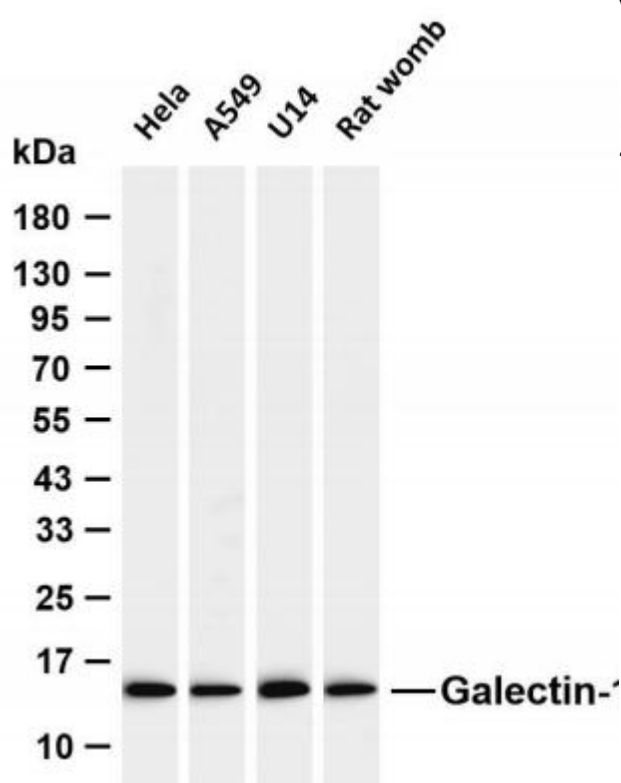
The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq, Jul 2008],

matters needing attention

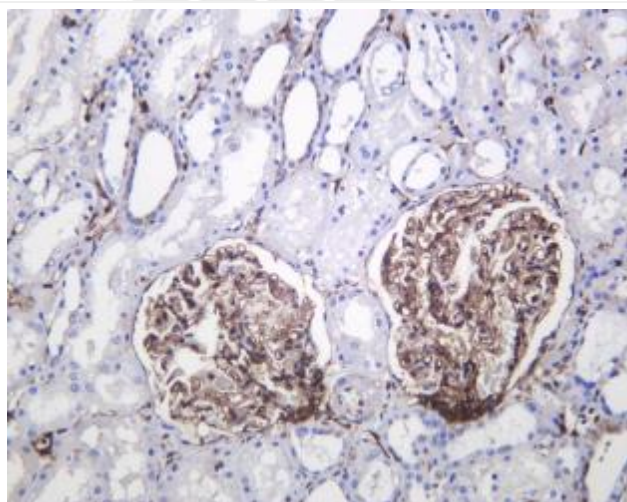
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

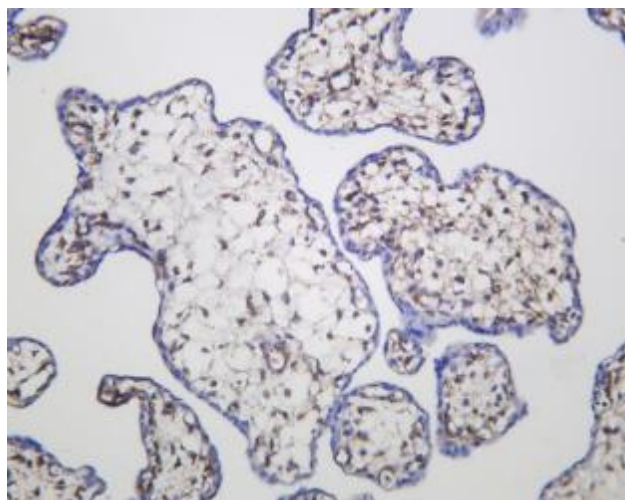


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Galectin-1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: A549 Lane 3: U14 Lane 4: Rat womb Predicted band size: 15kDa Observed band size: 15kDa



Human kidney was stained with anti-Galectin-1 Rabbit antibody





Human placenta was stained with anti-Galectin-1 Rabbit antibody

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