



Galectin-1 Polyclonal Antibody

Catalog No	YP-Ab-00403
Isotype	IgG
Reactivity	Human;Rat;Deer
Applications	WB;ELISA
Gene Name	LGALS1
Immunogen	Synthesized peptide derived from Galectin-1 . at AA range: 10-90
Specificity	Galectin-1 Polyclonal Antibody detects endogenous levels of Galectin-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Beta-galactoside-binding lectin L-14-I;Gal 1;GAL1;Gal-1;Galaptin;Galectin-1; LGALS1;14 kDa laminin-binding protein;HLBP14;14 kDa lectin;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

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., 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],

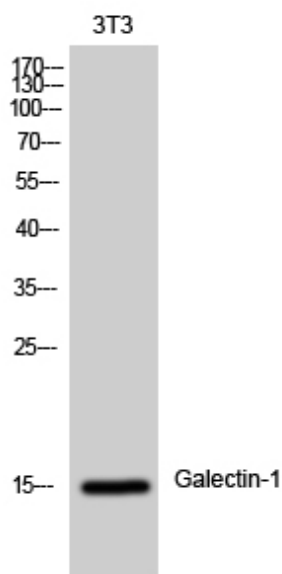
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western Blot analysis of 3T3 cells using Galectin-1 Polyclonal Antibody diluted at 1:500