

Galectin-1 Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11204a

Specification

Galectin-1 Antibody - Product Information

| | |
|-------------------|---------------------------|
| Application | WB,E |
| Primary Accession | P09382 |
| Other Accession | NP_002296 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |

Galectin-1 Antibody - Additional Information

Gene ID 3956

Other Names

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 PM12, S-Lac lectin 1, LGALS1

Target/Specificity

This GLT Antibody is generated from rabbits immunized with Gst fusion protein from human GLT.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Galectin-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Galectin-1 Antibody - Protein Information

Name LGALS1 ([HGNC:6561](#))

Function Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell

apoptosis. Plays a negative role in Th17 cell differentiation via activation of the receptor CD69 (PubMed:[24752896](#)).

Cellular Location

Secreted, extracellular space, extracellular matrix. Cytoplasm. Secreted Note=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 Location

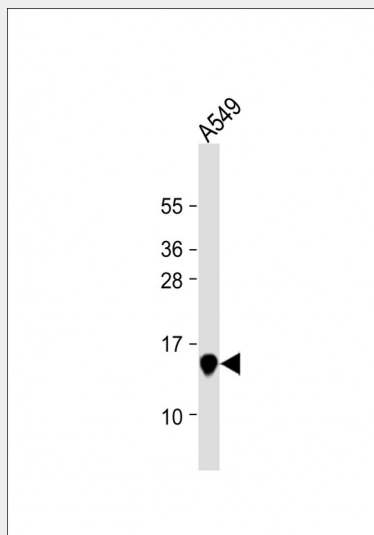
Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein level). Expressed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

Galectin-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Galectin-1 Antibody - Images



Anti-GLT Antibody at 1:1000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

Galectin-1 Antibody - 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].

Galectin-1 Antibody - References

Okano, K., et al. *Exp. Cell Res.* 316(19):3282-3291(2010) Bailey, S.D., et al. *Diabetes Care* 33(10):2250-2253(2010) Pal, Z., et al. *J. Neuroimmunol.* (2010) In press : Tang, C.E., et al. *Oncol. Rep.* 24(2):495-500(2010) Garner, O.B., et al. *PLoS Pathog.* 6 (7), E1000993 (2010) :