

LGALS1 / Galectin 1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15150**Specification**

LGALS1 / Galectin 1 Antibody - Product Information

Application	WB
Primary Accession	P09382
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15kDa KDa

LGALS1 / 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

Reconstitution & Storage

Long term: -70°C; Short term: -20°C

Precautions

LGALS1 / Galectin 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LGALS1 / 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.

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.

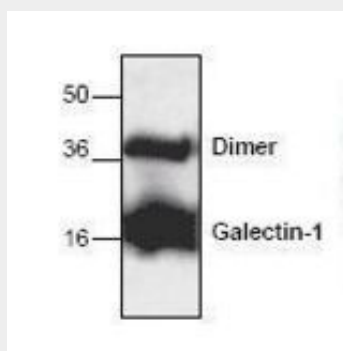
Volume

250 µl

LGALS1 / 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](#)

LGALS1 / Galectin 1 Antibody - Images

Western blot of Galectin 1 antibody ALS15150.

LGALS1 / Galectin 1 Antibody - Background

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. Strong inducer of T-cell apoptosis.

LGALS1 / Galectin 1 Antibody - References

- Hirabayashi J., et al. Biochim. Biophys. Acta 1008:85-91(1989).
Couraud P.-O., et al. J. Biol. Chem. 264:1310-1316(1989).
Abbott W.M., et al. Biochem. J. 259:291-294(1989).
Than N.G., et al. Proc. Natl. Acad. Sci. U.S.A. 105:15819-15824(2008).
Gitt M.A., et al. Biochemistry 30:82-89(1991).