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galectin-1 (mouse) Antibody (N-Term, near)

Peptide-affinity purified goat antibody
Catalog # AF3485a

Specification

galectin-1 (mouse) Antibody (N-Term, near) - Product Information

Application	**WB**
Primary Accession	P09382
Other Accession	NP_032521.1, 3956, 16852 (mouse), 56646 (rat)
Reactivity	**Mouse, Rat**
Predicted	**Human, Pig, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**14716**

galectin-1 (mouse) Antibody (N-Term, near) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
galectin-1 (mouse) Antibody (N-Term, near) is for research use only and not for use in diagnostic or therapeutic procedures.

galectin-1 (mouse) Antibody (N-Term, near) - 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.

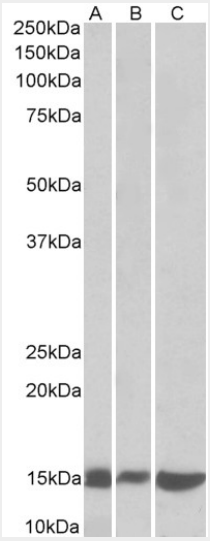
Tissue Location
Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein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

galectin-1 (mouse) Antibody (N-Term, near) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

galectin-1 (mouse) Antibody (N-Term, near) - Images



AF3485a (0.1 µg/ml) staining of Mouse (A) and Rat (B) Pancreas lysates and NIH3T3 (C) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

galectin-1 (mouse) Antibody (N-Term, near) - References

A novel galectin-1 and interleukin 2 receptor beta haplotype is associated with autoimmune myasthenia gravis. PÃil Z, Antal P, Millinghoffer A, HullÃim G, PÃilÃ³czi K, TÃ³th S, Gabius HJ, MolnÃir MJ, Falus A, BuzÃis EI, Journal of neuroimmunology 2010 Aug : . PMID: 20728947