

Anti-Galectin-1 Antibody

Catalog # ABO10744

Product Information

Application	WB, IHC-P
Primary Accession	P09382
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Galectin 1(LGALS1) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

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
Calculated MW	14716 Da
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted, extracellular space, extracellular matrix .
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. .
Protein Name	Galectin-1(Gal-1)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Galectin 1(119-135aa NYMAADGDFKIKCVAFD), different from the related rat and mouse sequences by one amino acid.
Purification	Immunogen affinity purified.

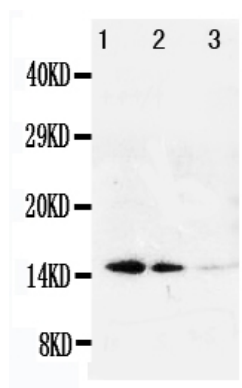
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Contains 1 galectin domain.

Protein Information

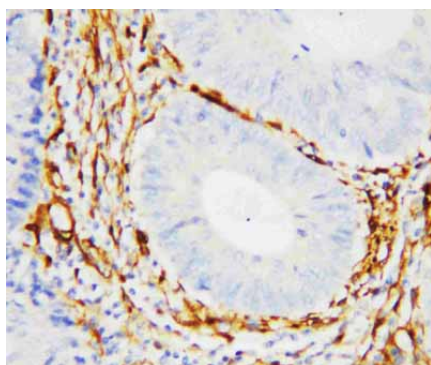
Background

Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. Galectins belong to a family of related beta-galactoside-binding lectins, also referred to as S-type or S-Lac lectins. Its gene is mapped to 22q12-q13. Galectin-1 was expressed in a subset of slowly dividing subventricular zone astrocytes, which included the neural stem cells. It has been considered as an autocrine negative growth factor that regulates cell proliferation.

Images



Anti-Galectin 1 antibody, ABO10744, Western blotting
 Lane 1: Recombinant Human Galectin-1 Protein 10ng
 Lane 2: Recombinant Human Galectin-1 Protein 5ng
 Lane 3: Recombinant Human Galectin-1 Protein 2.5ng



Anti-Galectin 1 antibody, ABO10744, IHC(P)
 Human Intestinal Cancer Tissue

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