

Galectin 1 Polyclonal Antibody | anti-LGALS1 antibody

Anti-Galectin 1 Antibody

CATALOG # AAA46366	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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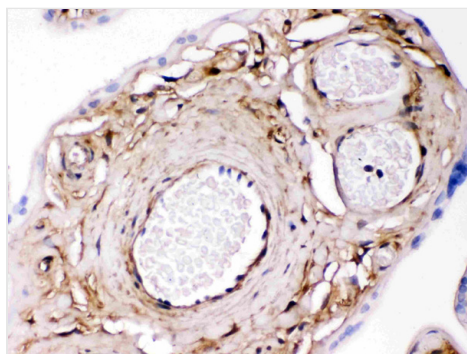
PRODUCT SYNONYMS

Galectin 1; Polyclonal Antibody; Anti-Galectin 1 Antibody; Galectin-1; 14 kDa laminin-binding protein; 14 kDa lectin; Beta galactoside binding lectin; Beta galactoside binding lectin L 14 I; beta galactoside binding protein; Beta-galactoside-binding lectin L-14-I; DKFZp686E23103; Gal 1; Gal-1; GAL1; Galaptin; Galbp; Galectin; Galectin1; GBP; HBL; HLBP14; HPL; L 14.5; L-14.5; L14; Lactose binding lectin 1; Lactose-binding lectin 1; Lect14; Lectin galactoside binding soluble 1; Lectin galactoside-binding soluble 1; LEG1_HUMAN; LGALS 1; LGALS1; Lgals1 lectin galactose binding soluble 1; MAPK activating protein MP12; Putative MAPK activating protein MP12; Putative MAPK-activating protein PM12; S Lac lectin 1; S-Lac lectin 1; UPF3 regulator of nonsense transcripts homolog B (yeast); anti-LGALS1 antibody

PRODUCT SPECIFICATIONS

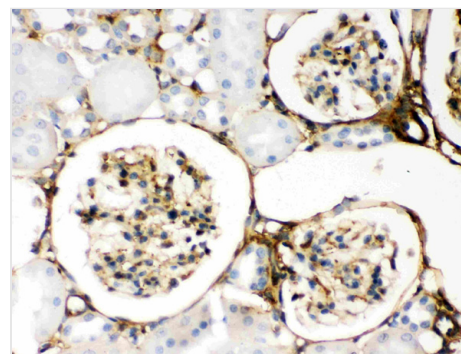
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	135
Applicable Applications for anti-LGALS1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Galectin 1 recombinant protein (Position: A2-D135). Human Galectin 1 shares 88% and 90% amino acid (aa) sequence identity with mouse and rat Galectin 1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



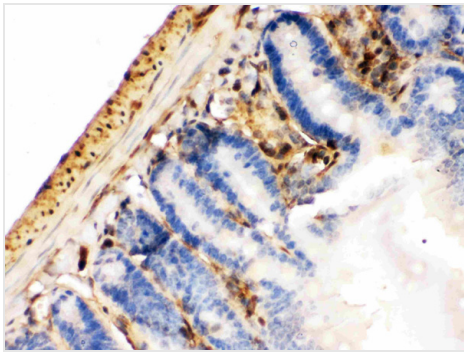
IHC (Immunohistochemistry)

Galectin 1 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- Galectin 1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



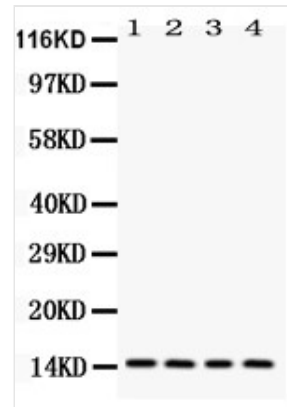
IHC (Immunohistochemistry)

Galectin 1 was detected in paraffin-embedded sections of rat kidney tissues using rabbit anti- Galectin 1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

Galectin 1 was detected in paraffin-embedded sections of mouse intestine cancer tissues using rabbit anti- Galectin 1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Galectin 1 expression in rat testis extract (lane 1), mouse spleen extract (lane 2), HELA whole cell lysates (lane 3) and SMMC whole cell lysates (lane 4). Galectin 1 at 15KD was detected using rabbit anti- Galectin 1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS1 antibody	Description: Rabbit IgG polyclonal antibody for Galectin-1(LGALS1) detection. Tested with WB, IHC-P, ELISA in Human;Mouse;Rat. Background: Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Galectin-1 expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ T-cells. It is thought to play a role in creating immune tolerance in pregnancy. It has been found that Galectin-1-mediated production of IL6 may assist in augmenting the innate immune response against NiV. Galectin-1 may also be a significant factor that augments the efficiency of the HIV-1 infection process.
References	1. Das, K., Lin, Y., Widen, E., Zhang, Y., Scherer, P. E. Chromosomal localization, expression pattern, and promoter analysis of the mouse gene encoding adipocyte-specific secretory protein Acrp30. <i>Biochem. Biophys. Res. Commun.</i> 280: 1120-1129, 2001. 2. Schaffler, A., Orso, E., Palitzsch, K.-D., Buchler, C., Drobnik, W., Furst, A., Scholmerich, J., Schmitz, G. The human apM-1, an adipocyte-specific gene linked to the family of TNF's and to genes expressed in activated T cells, is mapped to chromosome 1q21.3-q23, a susceptibility locus identified for familial combined hyperlipidaemia (FCH). <i>Biochem. Biophys. Res. Commun.</i> 260: 416-425, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.3
UniProt Accession #	P09382; Q9UDK5; B2R5E8
Molecular Weight	14,716 Da
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	galectin 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1
UniProt Protein Name	Galectin-1

UniProt Gene Name	LGALS1
UniProt Synonym Gene Names	Gal-1; HLBP14
UniProt Entry Name	LEG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/galectin-1-antibody-immunohistochemistry-western-blot-elisa/46366>