

Rabbit anti-Mouse, Human LGALS1/Galectin 1 Polyclonal Antibody | anti-LGALS1 antibody

LGALS1/Galectin 1 Rabbit anti-Human Polyclonal (aa72-121) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162568	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

LGALS1/Galectin 1; Polyclonal Antibody; LGALS1/Galectin 1 Rabbit anti-Human Polyclonal (aa72-121) Antibody; PathPlus LGALS1/Galectin 1 Antibody (aa72-121); LGALS1; 14 kDa lectin; 14 kDa laminin-binding protein; 14 kd lectin; GAL1; Galectin 1; Galectin-1; HBL; Lactose-binding lectin 1; Galaptin; GBP; HLBP14; HPL; S-Lac lectin 1; Gal-1; anti-LGALS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Specificity	Human LGALS1/Galectin 1
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-LGALS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human LGALS1/Galectin 1
Immunogen	Synthetic peptide located between aa72-121 of human LGALS1 (P09382, NP_002296). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Baboon, Monkey, Marmoset, Sheep, Bovine (100%); Panda, Dog, Bat, Horse, Pig (92%); Platypus (90%); Mouse, Rat, Hamster, Elephant, Rabbit, Opossum, Guinea pig (85%); Zebra finch (81%).
Conjugation	Unconjugated
Epitope	aa72-121
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

LGALS1/Galectin 1 Antibody-Anti-LGALS1/Galectin 1 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other forms have not been tested.



IHC (Immunohistochemistry)

LGALS1/Galectin 1 Antibody-Human Kidney, Glomerulus: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

LGALS1/Galectin 1 Antibody-LGALS1/Galectin 1 antibody Western blot of Fetal Muscle lysate.
This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS1 antibody	Galectin 1 antibody is an unconjugated rabbit polyclonal antibody to Galectin 1 (LGALS1)(aa72-121) from human. It is reactive with human, rat, bovine and other species. Validated for IHC and WB. Galectin 1 (LGALS1) is a secretory protein that binds glycans and is involved in cell-cell and cell-matrix interactions. It plays roles as a master regulator of immune responses in immune and neoplastic disease, as well as in cancer progression. It has been shown to act as an autocrine negative growth factor for cell proliferation, plays a role in immune tolerance in pregnancy, in immunosuppression of T-cells, in synapse formation between pre-B and stromal cells, in the differentiation of dendritic cells, as well as axon regeneration. In its oxidized form, it plays a role in regeneration of the CNS after injury. It is expressed in the cytoplasm and nucleus in a variety of tissues, including renal glomeruli, endometrial stroma, lymphoid organs, smooth muscle, and fibroblasts as well as in extracellular spaces.
References	Camby 2006 Glycobiology 16(11):137R; Gauthier PNAS 2002, 99(20):13014; Cho 1995 J Biol Chem 270 (10):5198; Outenreath J. Neurocytol 21 (11):788; Kadoya 2005 Curr Drug Targets 6(4):375

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305
UniProt Accession #	P09382; Q9UDK5; B2R5E8
Molecular Weight	14,716 Da
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1; HBL; HPL; gal-1; HLBP14; galaptin; galectin 1; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; 14 kDa laminin-binding protein; putative MAPK-activating protein PM12; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding pro
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.