

Rabbit LGALS1 Polyclonal Antibody | anti-LGALS1 antibody

LGALS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327399	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

LGALS1; Polyclonal Antibody; LGALS1 Antibody; 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; Galectin-1; 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 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; anti-LGALS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LGALS1 antibody detects endogenous levels of total LGALS1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	135
Applicable Applications for anti-LGALS1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LGALS1
Subcellular Location	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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327399 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of LGALS1 using COS7 whole cell lysates



IHC (Immunohistochemistry)

AAA327399 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS1 antibody	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. Subunit Structure: Homodimer. Binds LGALS3BP. Interacts with CD2, CD3, CD4, CD6, CD7, CD43, ALCAM and CD45. Interacts with laminin (via poly-N-acetyllactosamine). Interacts with SUSD2.
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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	Observed: 15 kDa Predicted: 15 kDa
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

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.

