

Rabbit Galectin 1 Polyclonal Antibody | anti-Lgals1 antibody

Anti-Galectin 1 Picoband Antibody

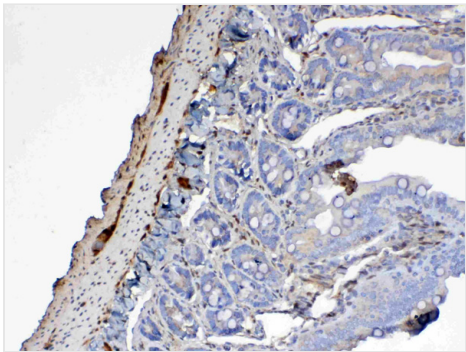
CATALOG # AAA124574	HOST Rabbit	REACTIVITY Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Galectin 1; Polyclonal Antibody; Anti-Galectin 1 Picoband Antibody; Galectin-1; Gal-1; 14 kDa lectin; Beta-galactoside-binding lectin L-14-I; Galaptin; Lactose-binding lectin 1; Lectin galactoside-binding soluble 1; S-Lac lectin 1; Lgals1; Gbp; anti-Lgals1 antibody

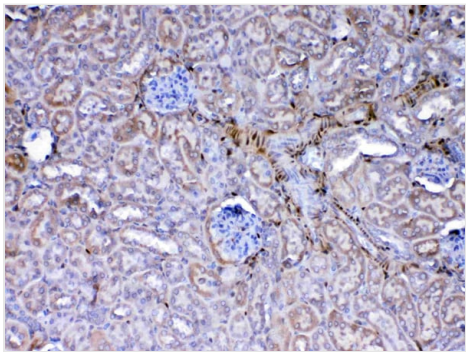
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	135
Applicable Applications for anti-Lgals1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse Galectin 1 recombinant protein (Position: A2-E135).
Subcellular Localization	Secreted, extracellular space, extracellular matrix
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



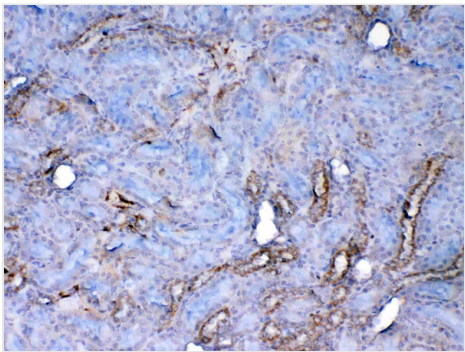
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Galectin 1 using anti-Galectin 1 antibody (AAA124574).Galectin 1 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Galectin 1 Antibody (AAA124574) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Galectin 1 using anti-Galectin 1 antibody (AAA124574).Galectin 1 was detected in paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Galectin 1 Antibody (AAA124574) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Galectin 1 using anti-Galectin 1 antibody (AAA124574).Galectin 1 was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Galectin 1 Antibody (AAA124574) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Galectin 1 using anti-Galectin 1 antibody (AAA124574).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: mouse thymus tissue lysates,Lane 2: mouse kidney tissue lysates,Lane 3: mouse testis tissue lysates,Lane 4: mouse ovary tissue lysates,Lane 5: rat heart tissue lysates,Lane 6: rat skeletal muscle tissue lysates,Lane 7: rat gaster tissue lysates,Lane 8: rat testis tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Galectin 1 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Galectin 1 at approximately 15KD. The expected band size for Galectin 1 is at 15KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Lgals1 antibody	Description: 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. Protein 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.
Product Categories/Family for anti-Lgals1 antibody	Cell Biology; Other Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678682
NCBI GeneID	16852
NCBI Accession #	NP_032521.1
NCBI GenBank Nucleotide #	NM_008495.2
UniProt Accession #	P16045; P05163; P11946; P17601; Q4FZH4; Q99M27; Q9D0X0
Molecular Weight	14,866 Da
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactose binding, soluble 1
NCBI Official Symbol	Lgals1
NCBI Official Synonym Symbols	L14; Gal-1; Galbp; L-14.5; Lect14; AA410090; galectin-1
NCBI Protein Information	galectin-1
UniProt Protein Name	Galectin-1
UniProt Gene Name	Lgals1
UniProt Synonym Gene Names	Gbp; Gal-1

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-western-blot-immunohistochemistry-elisa/124574>