


Product datasheet

Anti-Galectin 1 antibody ab112525

6 Images

Overview

Product name	Anti-Galectin 1 antibody
Description	Rabbit polyclonal to Galectin 1
Host species	Rabbit
Tested applications	Suitable for: ICC, IHC-Fr, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of Human Galectin 1.
Positive control	IHC-P: Human gastric and ovarian cancer tissue, human tonsil tissue IHC-Fr: Human tonsil tissue ICC: U20s cells WB: Hela, MCF-7, COLO-320, A549, 22RV1 and A375 whole cell lysates,
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab112525 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 2 µg/ml.
IHC-Fr		Use a concentration of 0.5 - 1 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 15 kDa. The detection limit for Galectin 1 is approximately 2.5ng/lane under non-reducing and reducing conditions.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function

May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase.

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.

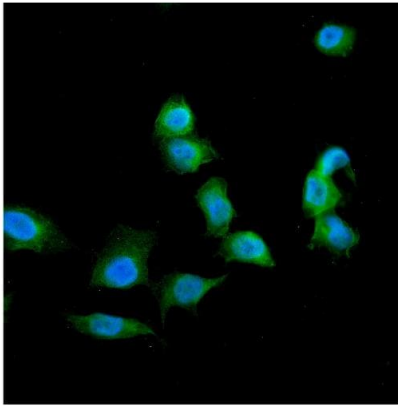
Sequence similarities

Contains 1 galectin domain.

Cellular localization

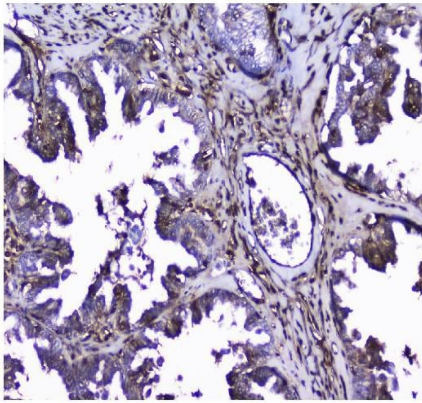
Secreted > extracellular space > extracellular matrix.

Images



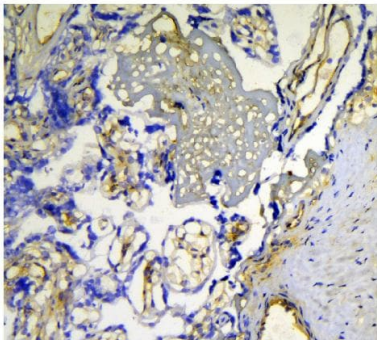
Immunocytochemistry - Anti-Galectin 1 antibody
(ab112525)

ab112525 staining Galectin 1 in U2OS tissue by Immunohistochemistry. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI.



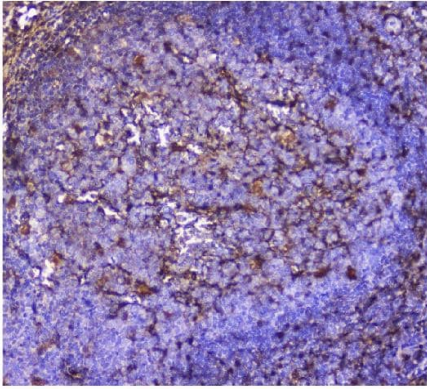
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 1 antibody
(ab112525)

ab112525 staining Galectin 1 in intestinal cancer tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).



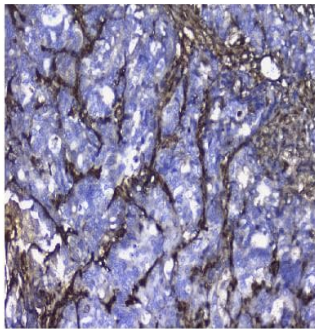
Immunohistochemistry (Frozen sections) - Anti-Galectin 1 antibody (ab112525)

ab112525 (1 µg/mL) staining Galectin 1 in placenta tissue by Immunohistochemistry (Frozen sections)



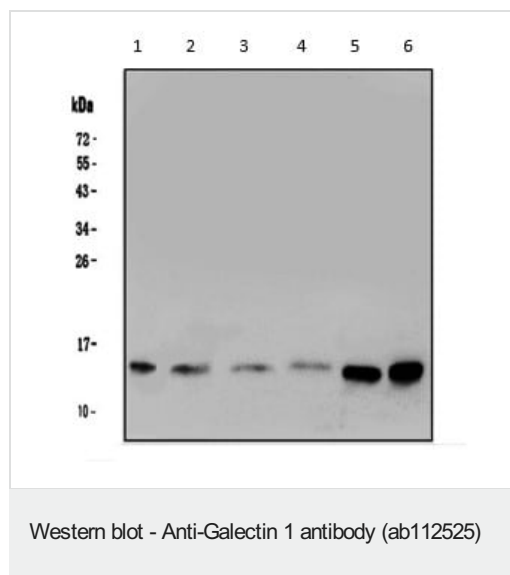
ab112525 staining Galectin 1 in tonsil tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 1 antibody (ab112525)



ab112525 staining Galectin 1 in gastric cancer tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 1 antibody (ab112525)



All lanes : Anti-Galectin 1 antibody (ab112525) at 0.5 µg/ml

Lane 1 : Hela whole cell lysates

Lane 2 : MCF-7 whole cell lysates

Lane 3 : COLO-320 whole cell lysates

Lane 4 : A549 whole cell lysates

Lane 5 : 22RV1 whole cell lysates

Lane 6 : A375 whole cell lysates

Lysates/proteins at 50 µg per lane.

Predicted band size: 15 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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