

Product datasheet

Anti-Galectin 1 antibody [EPR3205] ab108389

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [12 References](#) [6 Images](#)

Overview

Product name	Anti-Galectin 1 antibody [EPR3205]
Description	Rabbit monoclonal [EPR3205] to Galectin 1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HL60, K562, and NIH/3T3 cell lysates. Mouse heart, kidney, and spleen tissue lysates. Rat heart and kidney tissue lysates; ICC/IF: NIH/3T3 and K562 cells. IHC-P: Human placenta tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3205

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108389 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
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 15 kDa.
ICC/IF		1/100.
IHC-P		1/3000. Perform heat mediated antigen retrieval with citrate buffer pH 6 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.

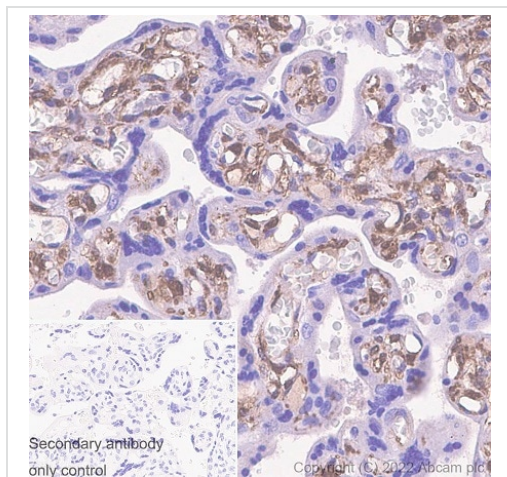
Sequence similarities

Contains 1 galectin domain.

Cellular localization

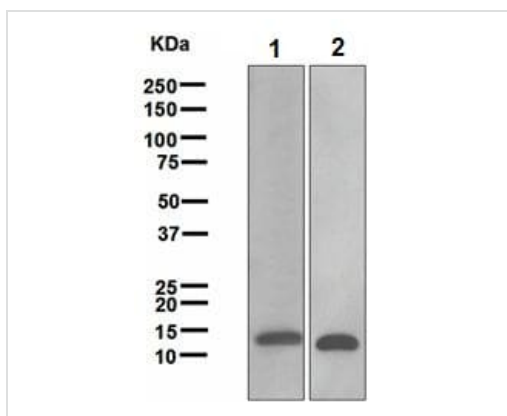
Secreted > extracellular space > extracellular matrix.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 1 antibody [EPR3205] (ab108389)

Immunohistochemical analysis of paraffin-embedded human placenta tissue labelling Galectin 1 with ab108389 at 1/3000 dilution (0.42 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody. Positive staining on vessels in human placenta tissue. The section was incubated with ab108389 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution1) for 20 mins.



Western blot - Anti-Galectin 1 antibody [EPR3205] (ab108389)

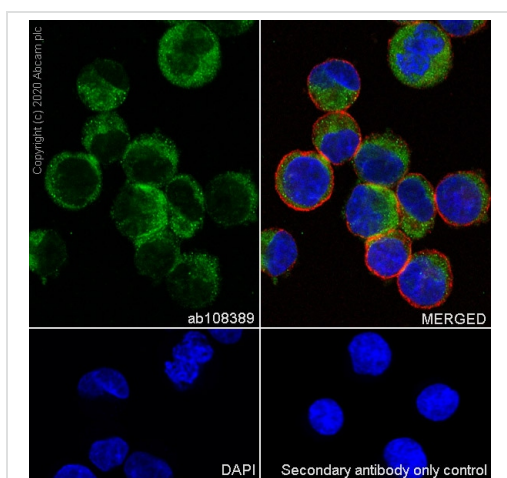
All lanes : Anti-Galectin 1 antibody [EPR3205] (ab108389) at 1/1000 dilution

Lane 1 : HL60 cell lysate

Lane 2 : K562 cell lysate

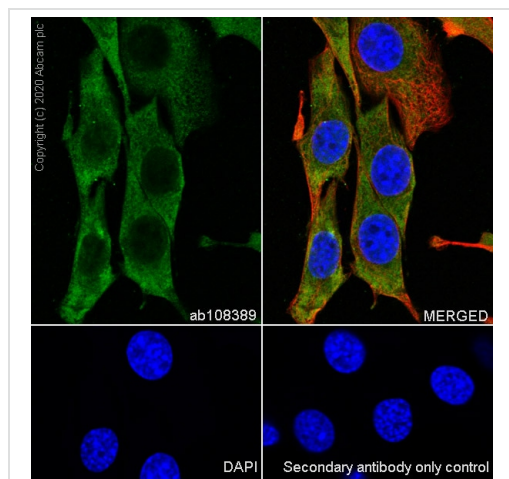
Lysates/proteins at 10 µg per lane.

Predicted band size: 15 kDa



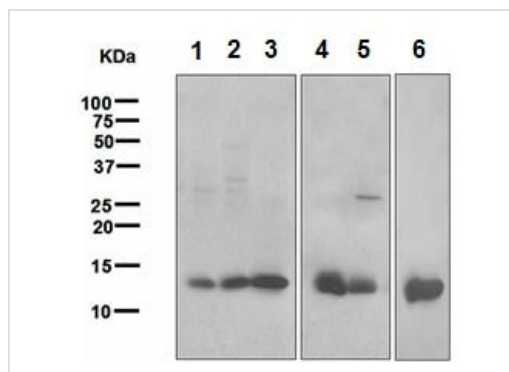
Immunocytochemistry/ Immunofluorescence - Anti-Galectin 1 antibody [EPR3205] (ab108389)

Immunocytochemistry/immunofluorescence analysis of K562 (human chronic myelogenous leukemia cell line from bone marrow) cells labelling Galectin 1 with purified ab108389 at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 was used as the secondary antibody (green). Cells were counterstained with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) at 1/200 dilution (red). Nuclear DNA was labelled with DAPI (blue).



Immunocytochemistry/ Immunofluorescence - Anti-Galectin 1 antibody [EPR3205] (ab108389)

Immunocytochemistry/immunofluorescence analysis of NIH/3T3 (mouse embryo fibroblast cell line) cells labelling Galectin 1 with purified ab108389 at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 was used as the secondary antibody (green). Cells were counterstained with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) at 1/200 dilution (red). Nuclear DNA was labelled with DAPI (blue).



Western blot - Anti-Galectin 1 antibody [EPR3205] (ab108389)

All lanes : Anti-Galectin 1 antibody [EPR3205] (ab108389) at 1/1000 dilution

Lane 1 : mouse heart tissue lysate

Lane 2 : mouse kidney tissue lysate

Lane 3 : mouse spleen tissue lysate

Lane 4 : rat heart tissue lysate

Lane 5 : rat kidney tissue lysate

Lane 6 : NIH 3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 15 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Galectin 1 antibody [EPR3205] (ab108389)

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

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