

Product datasheet

Anti-Galectin 1 antibody [EPR3205] - BSA and Azide free ab271876

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-Galectin 1 antibody [EPR3205] - BSA and Azide free
Description	Rabbit monoclonal [EPR3205] to Galectin 1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HL60 cell lysate, K562 cell lysate, NIH 3T3 cell lysate, mouse heart tissue lysate, mouse kidney cell lysate, mouse spleen cell lysate, rat heart tissue lysate, rat kidney tissue lysate. IHC-P: Human placenta tissue.
General notes	<p>ab271876 is the carrier-free version of ab108389.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3205
Isotype	IgG

Applications

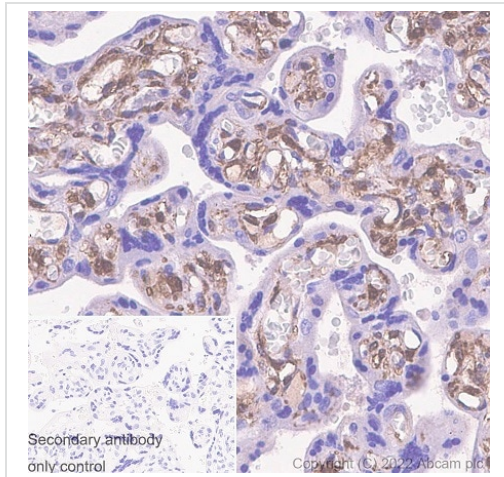
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab271876 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

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.

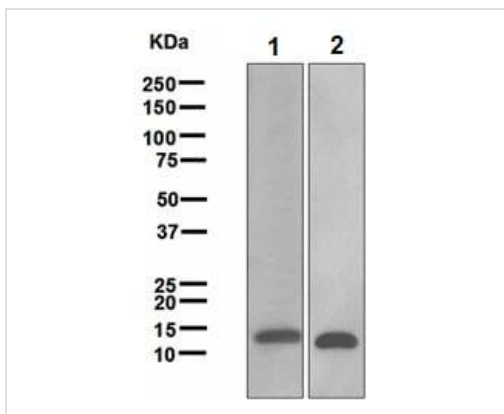


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 1 antibody [EPR3205] - BSA and Azide free (ab271876)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108389**).



Western blot - Anti-Galectin 1 antibody [EPR3205] - BSA and Azide free (ab271876)

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

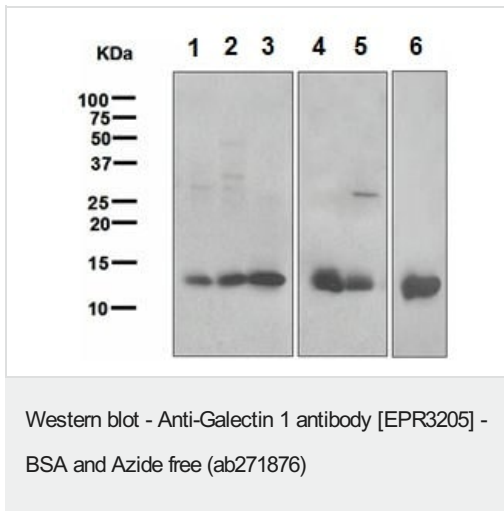
Lane 1 : HL60 cell lysate

Lane 2 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 15 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab108389](#)).

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

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

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