

Anti-Galectin 8/Gal-8 antibody [EPR4857] ab109519

重组 RabMAb

★★★★☆ 4 Abreviews 12 References 10 图像

概述

产品名称	Anti-Galectin 8/Gal-8抗体[EPR4857]
描述	兔单克隆抗体[EPR4857] to Galectin 8/Gal-8
宿主	Rabbit
特异性	This antibody has weak cross-reactivity with Galectin 9.
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HepG2 or LNCaP cell lysate Human prostatic adenocarcinoma tissue IP: HeLa whole cell lysate.
常规说明	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆

克隆编号EPR4857

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab109519于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (4)	1/1000 - 1/10000. Predicted molecular weight: 40 kDa.
IP		1/10 - 1/100.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
ICC/IF		1/50 - 1/100.

靶标

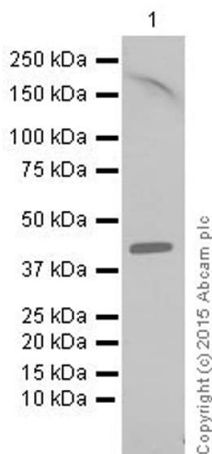
组织特异性Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy.

序列相似性Contains 2 galectin domains.

结构域Contains two homologous but distinct carbohydrate-binding domains.

细胞定位Cytoplasm.

图片



Western blot - Anti-Galectin 8/Gal-8 antibody
[EPR4857] (ab109519)

Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519) at 1/10000 dilution (purified) + LNCAP (human prostatic carcinoma) whole cell lysate at 10 µg

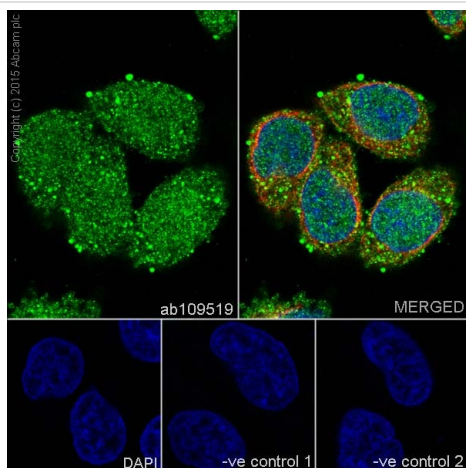
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 40 kDa

Blocking and diluting buffer 5% NFDm/TBST

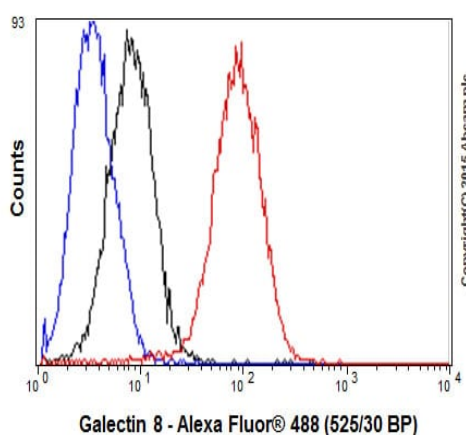


Immunocytochemistry/ Immunofluorescence - Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)

ab109519 staining Galectin 8/Gal-8 in HeLa (human cervix adenocarcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a dilution of 1/1000. [ab7291](#) and [ab150120](#) were used as counterstains for primary antibody ab109519 and secondary antibody [ab150077](#) respectively and DAPI was used as a nuclear counterstain.

Negative control 1: Rabbit primary antibody and anti-mouse secondary antibody ([ab150120](#))

Negative control 2: Mouse primary antibody ([ab7291](#)) and anti-rabbit secondary antibody ([ab150077](#))

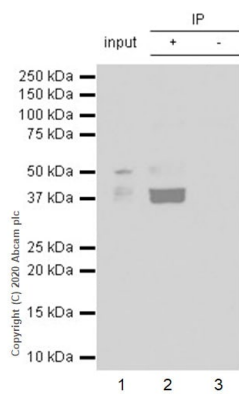


Flow Cytometry (Intracellular) - Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)

ab109519 staining Galectin 8/Gal-8 in the human cell line HEK293 (human embryonic kidney) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/100. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/500 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Immunoprecipitation - Anti-Galectin 8/Gal-8 antibody
[EPR4857] (ab109519)

Purified ab109519 at 1/30 dilution (2µg) immunoprecipitating

Galectin 8/Gal-8 in HeLa whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell)
whole cell lysate 10µg

Lane 2 (+): ab109519 + HeLa whole cell lysate.

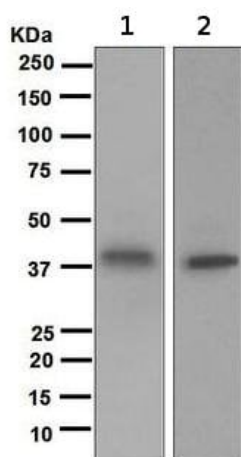
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of
ab109519 in HeLa whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/10,000
dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM/TBST.

Observed band size: 36/40 kDa



Western blot - Anti-Galectin 8/Gal-8 antibody
[EPR4857] (ab109519)

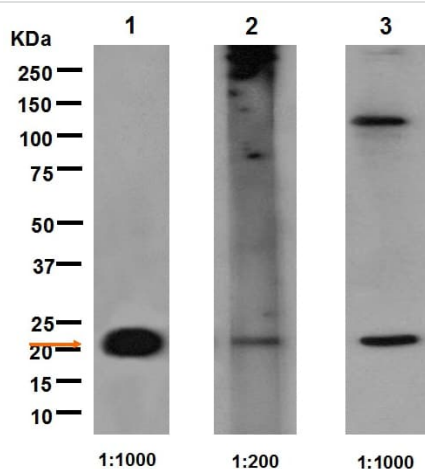
All lanes : Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)
at 1/1000 dilution (unpurified)

Lane 1 : HepG2 cell lysate

Lane 2 : LNCaP cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 40 kDa



Western blot - Anti-Galectin 8/Gal-8 antibody
[EPR4857] (ab109519)

Lanes 1 & 3 : unpurified at 1/1000 dilution

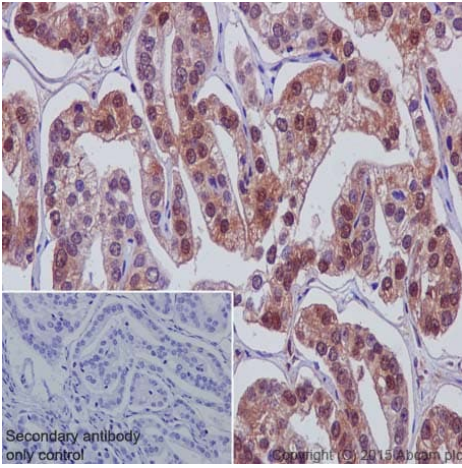
Lane 2 : Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519) at
1/200 dilution (unpurified)

All lanes : Galectin 9 recombinant protein

Lysates/proteins at 0.02 µg per lane.

Predicted band size: 40 kDa

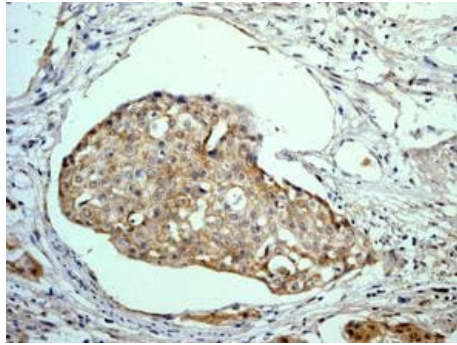
ab109519 has weak cross-reactivity with Galectin 9.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)

ab109519 staining Galectin 8/Gal-8 in human prostatic carcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/250. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

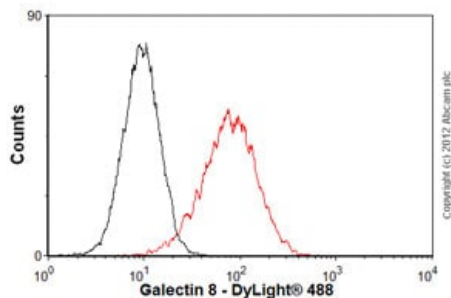
Negative control 1: PBS in place of primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)

Unpurified ab109519, at a 1/100 dilution, staining Human prostatic adenocarcinoma, using Immunohistochemistry, Formalin/PFA-fixed paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Galectin 8/Gal-8 antibody [EPR4857] (ab109519)

Overlay histogram showing HeLa cells stained with unpurified ab109519 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab109519, 1/100) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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 8/Gal-8 antibody [EPR4857]
(ab109519)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors