


Anti-Galectin 3 antibody ab31707

KO 評価済

★★★★☆ 3 Abreviews 10 References 画像数 3

製品の概要

製品名	Anti-Galectin 3 antibody
製品の詳細	Rabbit polyclonal to Galectin 3
由来種	Rabbit
特異性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help. You may also be interested in our alternative recombinant antibody, ab76245 .
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Human 交差が予測される動物種: Dog, Pig 
免疫原	Synthetic peptide corresponding to Human Galectin 3 aa 200 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab31706)
ポジティブ・コントロール	Recombinant human Galectin 3 protein (ab50236) can be used as a positive control in WB. HeLa (Human epithelial carcinoma cell line) Whole Cell and Nuclear Lysates.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

バッファー

pH: 7.40
Preservative: 0.02% Sodium azide
Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

精製度

Immunogen affinity purified

ポリモノ

ポリクローナル

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab31707の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use a concentration of 1 µg/ml.
WB	★★★★★ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 26 kDa).

ターゲット情報

機能

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis.

組織特異性

A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages.

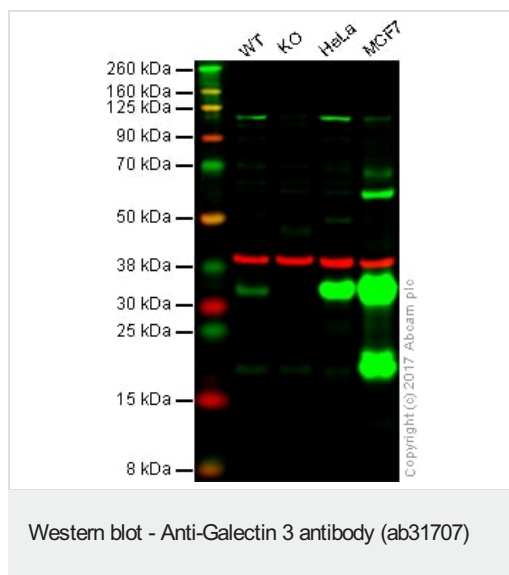
配列類似性

Contains 1 galectin domain.

細胞内局在

Nucleus. Cytoplasmic in adenomas and carcinomas. May be secreted by a non-classical secretory pathway and associate with the cell surface.

画像



Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

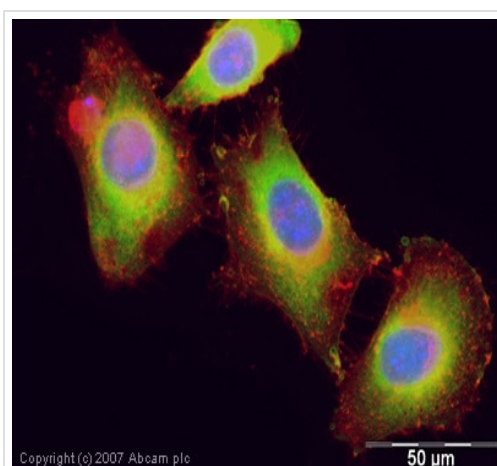
Lane 2: Galectin 3 knockout HAP1 whole cell lysate (20 µg)

Lane 3: HeLa whole cell lysate (20 µg)

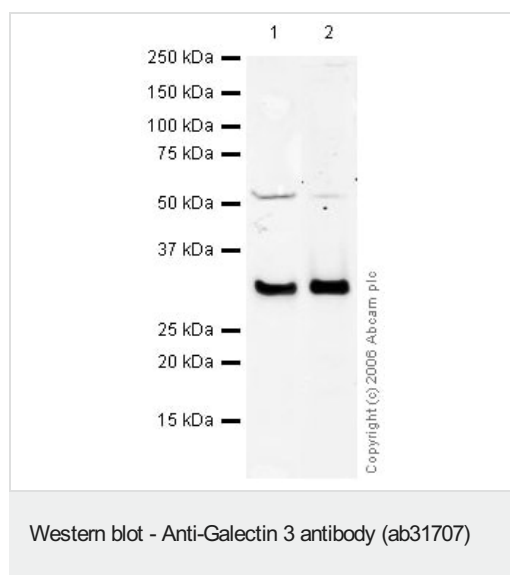
Lane 4: MCF7 whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab31707 observed at 32 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab31707 was shown to specifically recognize Galectin 3 in wild-type HAP1 cells along with additional cross-reactive bands. No band was observed when Galectin 3 knockout samples were examined. Wild-type and Galectin 3 knockout samples were subjected to SDS-PAGE. Ab31707 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/10000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



ICC/IF image of ab31707 stained human HeLa cells. The cells were PFA fixed (10 min), permeabilised in TBS-T (20 min) and incubated with the antibody (ab31707, 1 µg/ml) for 1h at room temperature. 1%BSA / 10% normal goat serum / 0.3M glycine was used to quench autofluorescence and block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).



All lanes : Anti-Galectin 3 antibody (ab31707) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : HeLa (Human epithelial carcinoma cell line) Nuclear Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti Rabbit IgG (H&L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 26 kDa

Observed band size: 30 kDa

We also see a very faint band at 52 kDa in the HeLa Whole cell lysate, we are uncertain as to the identity of this band.

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