

Product datasheet

Anti-Galectin 1 antibody ab38328

KO 評価済

★★★★☆ 1 Abreviews 2 References 画像数 2

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-Galectin 1 antibody |
| 製品の詳細 | Rabbit polyclonal to Galectin 1 |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: WB |
| 種交差性 | 交差種: Human, Chinese hamster 交差が予測される動物種: Mouse, Rat, Sheep, Cow, Dog, Pig, Orangutan |
| 免疫原 | Synthetic peptide conjugated to KLH derived from within residues 50 to the C-terminus of Human Galectin 1. Immunogen の所有権に関して (Peptide available as ab38327 .) |
| ポジティブ・コントロール | ab38328 gave a positive signal in the following Human Lysates: Heart, Skeletal Muscle, Kidney (Data not shown), Thymus (Data not shown), HeLa, A431, HL60 (Data not shown), Ramos (Data not shown) and THP1 (Data not shown). |

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 | Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4 |
| 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

Our [Abpromise guarantee](#) covers the use of **ab38328** in the following tested applications.

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

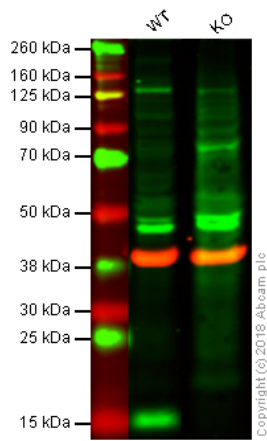
| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|------|
|----------|-----------|------|

WB ★★★★★ Use a concentration of 1 µg/ml. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa). Can be blocked with [Human Galectin 1 peptide \(ab38327\)](#).

ターゲット情報

| | |
|-------|---|
| 機能 | 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. |
| 組織特異性 | 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. |
| 配列類似性 | Contains 1 galectin domain. |
| 細胞内局在 | Secreted > extracellular space > extracellular matrix. |

画像



Western blot - Anti-Galectin 1 antibody (ab38328)

All lanes : Anti-Galectin 1 antibody (ab38328)
at 1 μ g

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : LGALS1 (Galectin 1) knockout
HAP1 whole cell lysate

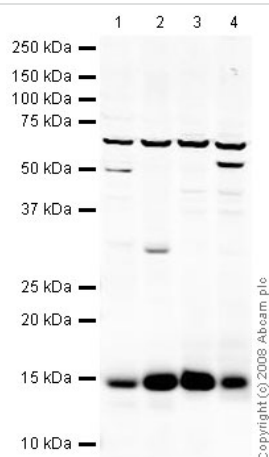
Lysates/proteins at 20 μ g per lane.

Predicted band size: 14 kDa

Observed band size: 15 kDa

Lanes 1 - 2: Merged signal (red and green).
Green - ab38328 observed at 15 kDa. Red -
loading control, ab9484, observed at 37 kDa.

ab38328 was shown to recognize Galectin 1 in wild-type HAP1 cells as signal was lost at the expected MW in LGALS1 (Galectin 1) knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and LGALS1 (Galectin 1) knockout samples were subjected to SDS-PAGE. Ab38328 and ab9484 (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1 μ g/ml and 1/20000 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.



Western blot - Anti-Galectin 1 antibody (ab38328)

All lanes : Anti-Galectin 1 antibody (ab38328)
at 1 µg/ml

Lane 1 : Human heart tissue lysate - total protein (ab29431)

Lane 2 : Human skeletal muscle tissue lysate - total protein (ab29330)

Lane 3 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 4 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 14 kDa

Observed band size: 14 kDa

Additional bands at: 34 kDa, 50 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

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