

Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] ab188317

重组 RabMAb

★★★★★ **3 Abreviews** **6 References** **6 图像**

概述

产品名称	Anti-Glucose Transporter GLUT4 (phospho S488)抗体[EPR930(2)]
描述	兔单克隆抗体[EPR930(2)] to Glucose Transporter GLUT4 (phospho S488)
宿主	Rabbit
经测试应用	适用于: WB, Dot blot
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human fetal heart, mouse heart, rat heart
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>

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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR930(2)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab188317于以下的经测试应用

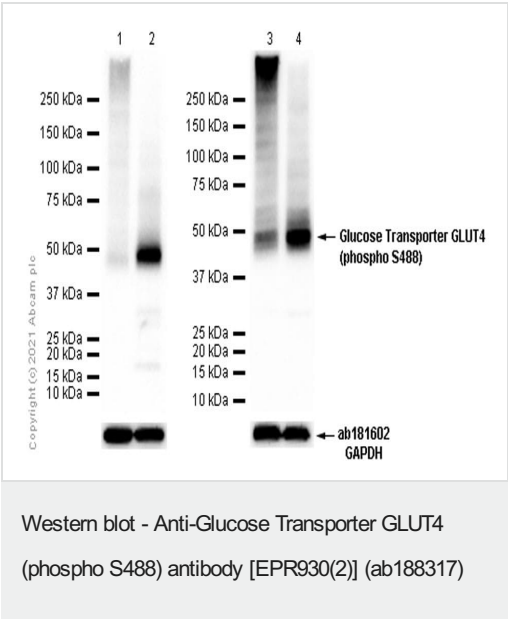
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 55 kDa). We recommend not to boil the samples before loading to get desirable WB results.
Dot blot		Use at an assay dependent concentration.

靶标

功能	Insulin-regulated facilitative glucose transporter.
组织特异性	Skeletal and cardiac muscles; brown and white fat.
疾病相关	Diabetes mellitus, non-insulin-dependent
序列相似性	Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.
翻译后修饰	Sumoylated.
细胞定位	Cell membrane. Endomembrane system. Cytoplasm, perinuclear region. Localizes primarily to the perinuclear region, undergoing continued recycling to the plasma membrane where it is rapidly reinternalized. The dileucine internalization motif is critical for intracellular sequestration.

图片



All lanes : Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317) at 1/1000 dilution

- Lane 1 :** Human heart lysate, boiled
- Lane 2 :** Human heart lysate, unboiled
- Lane 3 :** Mouse heart lysate, boiled
- Lane 4 :** Mouse heart lysate, unboiled

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

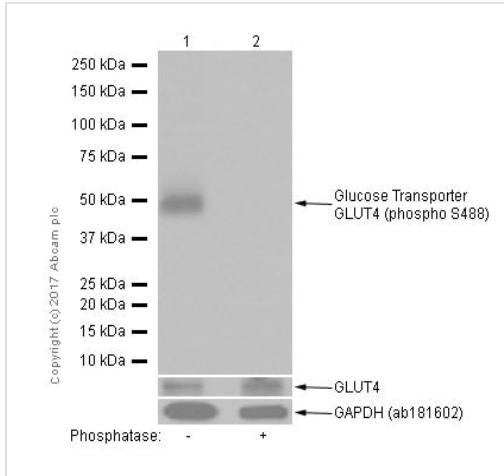
Predicted band size: 55 kDa

Observed band size: 45 kDa

Lanes 1 and 2: 7 seconds exposure

Lanes 3 and 4: 20 seconds exposure

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317)

All lanes : Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317) at 1/1000 dilution

Lane 1 : Human fetal heart whole cell lysate

Lane 2 : Human fetal heart whole cell lysate with Phosphatase

Lysates/proteins at 15 µg per lane.

Secondary

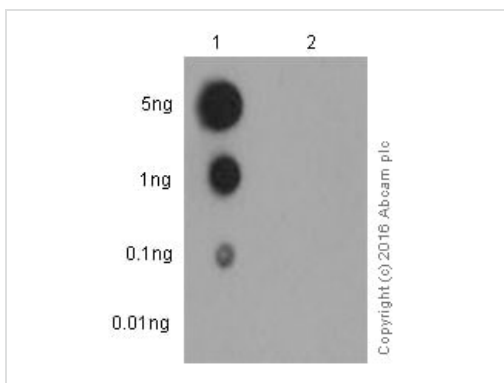
All lanes : Goat Anti-Rabbit IgG, Peroxidase conjugated (DC03L) at 1/20000 dilution

Predicted band size: 55 kDa

Observed band size: 45 kDa

Exposure time: 1 second

Blocking/Diluting buffer and concentration 5% NFDM/TBST

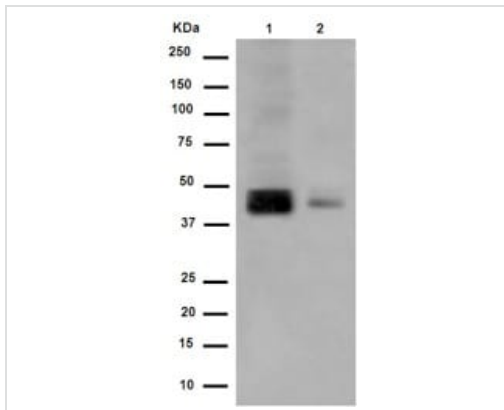


Dot Blot - Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317)

Dot Blot analysis of Lane 1: Glucose Transporter GLUT4 (pS488) phospho peptide and Lane 2: Glucose Transporter GLUT4 non-phospho peptide labeling Glucose Transporter GLUT4 (phospho S488) with ab188317 at 1/1000 dilution.

5% NFDM/TBST was used as the diluting and blocking buffer.

ab97051 Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated was used as the secondary antibody at 1/100000 dilution. Exposure time: 3 minutes.



Western blot - Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317)

All lanes : Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317) at 1/5000 dilution

Lane 1 : Mouse heart tissue lysate

Lane 2 : Rat heart tissue lysate

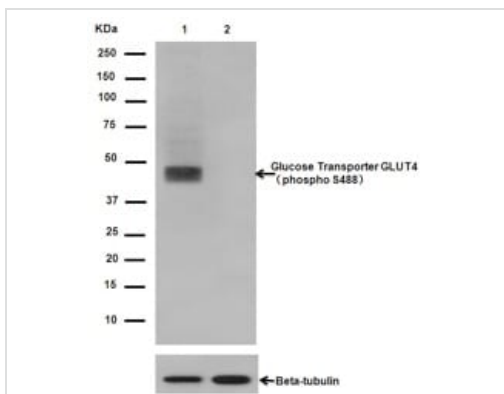
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 45 kDa



Western blot - Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317)

All lanes : Anti-Glucose Transporter GLUT4 (phospho S488) antibody [EPR930(2)] (ab188317) at 1/20000 dilution

Lane 1 : Untreated human fetal heart

Lane 2 : Lambda phosphorylase treated human fetal heart

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 45 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-Glucose Transporter GLUT4 (phospho S488)
antibody [EPR930(2)] (ab188317)

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