

## Product datasheet

# Anti-Glucose Transporter 8 antibody [EPR9477] ab169779

Recombinant RabMAb

[4 References](#) [4 Images](#)

### Overview

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<b>Product name</b>	Anti-Glucose Transporter 8 antibody [EPR9477]
<b>Description</b>	Rabbit monoclonal [EPR9477] to Glucose Transporter 8
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Human cerebellum, skeletal muscle and fetal heart tissue lysates; Mouse and Rat brain tissue lysates
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9477
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab169779 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

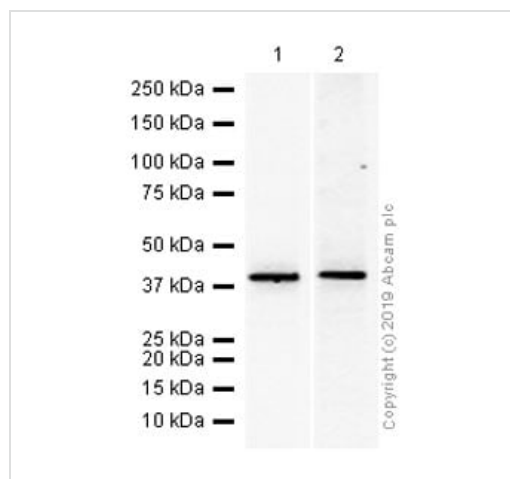
Application	Abreviews	Notes
WB		1/1000 - 1/5000. Detects a band of approximately 38 kDa (predicted molecular weight: 51 kDa). There are publications supporting the capability of GLUT8 to migrate at 35 kDa. See PMID 10671487 and 10860996. Thus, full length GLUT8 may migrate between 35-51 kDa.

## Target

**Relevance** Glucose transporter 8 is an insulin-regulated facilitative glucose transporter. It binds cytochalasin B in a glucose-inhibitable manner. It appears to be a dual-specific sugar transporter as it can be inhibited by fructose. It is highly expressed in testis, where it is down-regulated by estrogen, but not in testicular carcinoma. Lower amounts are present in most other tissues.

**Cellular localization** Cell Membrane; multi-pass membrane protein. Principally intracellular. May move between intracellular vesicles and the plasma membrane

## Images



Western blot - Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779)

**All lanes** : Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779) at 1/1000 dilution (Purified)

**Lane 1** : Mouse brain tissue lysate

**Lane 2** : Rat brain tissue lysate

Lysates/proteins at 15 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

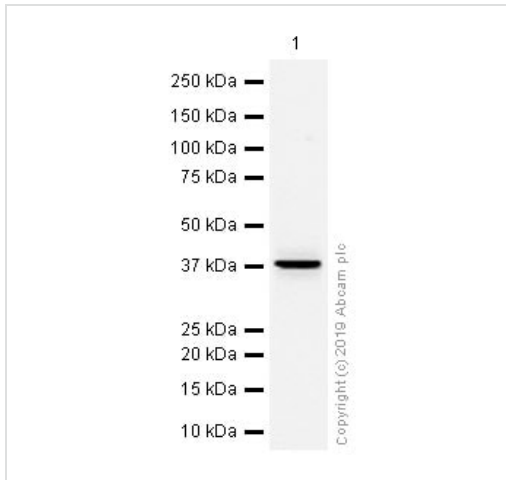
**Predicted band size:** 51 kDa

**Observed band size:** 38 kDa

Blocking/Diluting Buffer and concentration: 5% NFD/MTBST

The observed bands are consistent with what are described in

PMID:10860996



Western blot - Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779)

Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779) at 1/1000 dilution (Purified) + Human skeletal muscle lysates at 15  $\mu$ g

**Secondary**

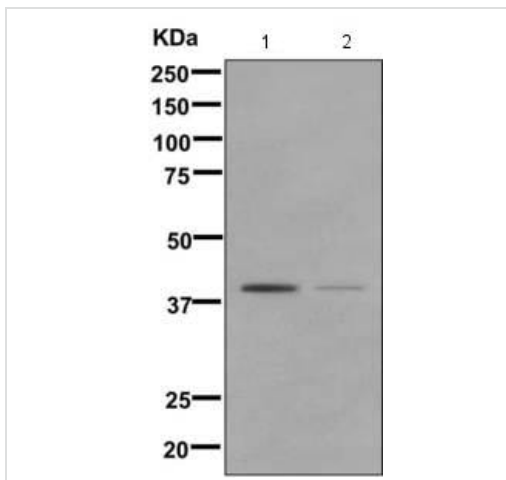
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 51 kDa

**Observed band size:** 38 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM/TBST

The observed bands are consistent with what are described in PMID:10860996



Western blot - Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779)

**All lanes :** Anti-Glucose Transporter 8 antibody [EPR9477] (ab169779) at 1/1000 dilution (unpurified)

**Lane 1 :** Human cerebellum lysate

**Lane 2 :** Human fetal heart lysate

Lysates/proteins at 10  $\mu$ g per lane.

**Secondary**

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 51 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 8 antibody [EPR9477]  
(ab169779)

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

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