

## Datasheet: 4670-1659

<b>Description:</b>	RABBIT ANTI RAT GLUCOSE TRANSPORTER 2 (C-TERMINAL)
<b>Specificity:</b>	GLUCOSE TRANSPORTER 2 (C-TERMINAL)
<b>Other names:</b>	GLUT2
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	Does not react with: Mouse, Human
<b>Product Form</b>	Serum - liquid
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	A fusion protein consisting of the carboxyl terminal 25 amino acids of rat glucose transporter 2 and glutathione S transferase.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P12336</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">25351</a>   Slc2a2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Glut2, Glut-2

RRID AB\_844609

**Specificity** Rabbit anti Rat glucose transporter 2 (C-Terminal) antibody reacts with rat glucose transporter 2 (GLUT2) and will not recognize glucose transporters 1 or 4. In Western blots of rat kidney and liver lysates, a major band is observed at 57-59 kDa.

**Histology Positive Control Tissue** Rat pancreas or liver.

**References**

1. Thorens, B. *et al.* (1988) Cloning and functional expression in bacteria of a novel glucose transporter present in liver, intestine, kidney, and beta-pancreatic islet cells. [Cell. 55 \(2\): 281-90.](#)
2. Chichger, H. *et al.* (2016) Experimental type II diabetes and related models of impaired glucose metabolism differentially regulate glucose transporters at the proximal tubule brush border membrane. [Exp Physiol. 101 \(6\): 731-42.](#)

**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee** 12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10081 available at:  
10081: <https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf>

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

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