

## Datasheet: 4670-1759

<b>Description:</b>	RABBIT ANTI HUMAN GLUCOSE TRANSPORTER 5
<b>Specificity:</b>	GLUCOSE TRANSPORTER 5
<b>Other names:</b>	GLUT5
<b>Format:</b>	Purified
<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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/50 - 1/200
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/150 - 1/500

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 appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Does not react with: Mouse, Rat
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	A synthetic peptide (ELKELPPVTSEQ) corresponding to the carboxy terminus of the human GLUT 5. To accommodate KLH conjugation a cysteine was added to the N-terminal.

**External Database  
Links**

**UniProt:**

[P22732](#)   [Related reagents](#)

**Entrez Gene:**

[6518](#)   SLC2A5   [Related reagents](#)

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**Synonyms**

GLUT5

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**Specificity**

**Rabbit anti Human Glucose Transporter 5 antibody** recognizes Solute carrier family 2, facilitated glucose transporter member 5, also known as the Glucose 5 transporter, "glucose transporter type 5, small intestine", GLUT5 or Fructose transporter. Glucose Transporter 5 catalyses the uptake of D-fructose into cells. Glucose Transporter 5 is a 501 amino acid ~55 kDa multiple pass transmembrane glycoprotein protein expressed in the plasma membrane and found mainly in intestinal tissue, kidney, and spermatozoa. ([UniProt: P22732](#)).

Increased intestinal levels of GLUT5 are seen in type 2 diabetes.

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**References**

1. Mahraoui, L. *et al.* (1992) Expression and localization of GLUT-5 in Caco-2 cells, human small intestine, and colon. [Am J Physiol. 263 \(3 Pt 1\): G312-8.](#)

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**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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...)   [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...)   [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...)   [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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