

Datasheet: 4670-1759

Description:	RABBIT ANTI HUMAN GLUCOSE TRANSPORTER 5
Specificity:	GLUCOSE TRANSPORTER 5
Other names:	GLUT5
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse, Rat
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	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](#)

Synonyms

GLUT5

RRID

AB_620679

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.

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.](#)

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 #10040 available at:

10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

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