

**GLUT8 / SLC2A8 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2523a

**Specification**

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**GLUT8 / SLC2A8 Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">O9NY64</a>
Other Accession	<a href="#">NP_055395.2</a> , <a href="#">29988</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	50819

**GLUT8 / SLC2A8 Antibody (C-Term) - Additional Information**

**Gene ID** 29988

**Other Names**

Solute carrier family 2, facilitated glucose transporter member 8, Glucose transporter type 8, GLUT-8, Glucose transporter type X1, SLC2A8, GLUT8, GLUTX1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GLUT8 / SLC2A8 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GLUT8 / SLC2A8 Antibody (C-Term) - Protein Information**

**Name** SLC2A8 ([HGNC:13812](#))

**Function**

Insulin-regulated facilitative hexose transporter that mediates the transport of glucose and fructose (By similarity). Facilitates hepatic influx of dietary trehalose, which in turn inhibits glucose and fructose influx triggering a starvation signal and hepatic autophagy through activation of AMPK and ULK1 (PubMed:<a href="http://www.uniprot.org/citations/27922102" target="\_blank">27922102</a>). Also able to mediate the transport of dehydroascorbate.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q9JJZ1}; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q9JJZ1}; Multi-pass membrane protein. Note=Principally intracellular. May move between intracellular vesicles and the plasma membrane. The dileucine internalization motif is critical for intracellular sequestration {ECO:0000250|UniProtKB:Q9JJZ1}

**Tissue Location**

Highly expressed in testis, but not in testicular carcinoma. Lower amounts present in most other tissues

**GLUT8 / SLC2A8 Antibody (C-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GLUT8 / SLC2A8 Antibody (C-Term) - Images****GLUT8 / SLC2A8 Antibody (C-Term) - References**

Localization of the GLUT8 glucose transporter in murine kidney and regulation in vivo in nondiabetic and diabetic conditions. Schiffer M, Susztak K, Ranalletta M, Raff AC, Bottinger EP, Charron MJ. Am J Physiol Renal Physiol. 2005 Jul;289(1):F186-93. Epub 2005 Mar 1. PMID: 15741607