

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

Specification

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

| | |
|-------------------|---|
| Application | E |
| Primary Accession | O9NY64 |
| Other Accession | NP_055395.2 , 29988 |
| 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:27922102). 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