10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GLUT5 / SLC2A5 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2981a

Specification

GLUT5 / SLC2A5 Antibody (C-Term) - Product Information

Application	**E**
Primary Accession	P22732
Other Accession	NP_003030.1, 6518
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**54974**

GLUT5 / SLC2A5 Antibody (C-Term) - Additional Information

Gene ID 6518

Other Names
Solute carrier family 2, facilitated glucose transporter member 5, Fructose transporter, Glucose transporter type 5, small intestine, GLUT-5, SLC2A5, GLUT5

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
GLUT5 / SLC2A5 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GLUT5 / SLC2A5 Antibody (C-Term) - Protein Information

Name SLC2A5 (HGNC:11010)

Function
Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:8333543, PubMed:16186102, PubMed:28083649, PubMed:17710649, PubMed:29548810). Can mediate the uptake of 2-deoxyglucose, but with low efficiency (PubMed:<a

href="http://www.uniprot.org/citations/1695905" target="_blank">1695905). Essential for fructose uptake in the small intestine (By similarity). Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose (By similarity). Required for the development of high blood pressure in response to high dietary fructose intake (By similarity).

Cellular Location
Apical cell membrane {ECO:0000250|UniProtKB:Q9WV38}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9WV38}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9WV38}. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P43427}. Note=Localized on the apical membrane of jejunum villi, but also on lateral plasma membranes of the villi. Transport to the cell membrane is dependent on RAB11A {ECO:0000250|UniProtKB:Q9WV38}

Tissue Location
Detected in skeletal muscle, and in jejunum brush border membrane and basolateral membrane (at protein level) (PubMed:7619085). Expressed in small intestine, and at much lower levels in kidney, skeletal muscle, and adipose tissue

GLUT5 / SLC2A5 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 Cytomety
- Cell Culture

GLUT5 / SLC2A5 Antibody (C-Term) - Images

GLUT5 / SLC2A5 Antibody (C-Term) - References

Overexpression of GLUT5 in diabetic muscle is reversed by pioglitazone. Stuart CA, Howell ME, Yin D, Diabetes care 2007 Apr 30 (4): 925-31. PMID: 17251278