

Product datasheet for **AP23135PU-N**

Glucose Transporter 5 GLUT5 (SLC2A5) (482-493) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 2.5 µg/ml.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from C-Terminus of human SLC2A5
Specificity:	This antibody detects GLUT5 / SLC2A5 (C-term).
Formulation:	Tris saline, pH 7.3 containing 0.02% sodium azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 2 member 5
Database Link:	Entrez Gene 6518 Human P22732
Background:	SLC2A5/GLUT5 belongs to a family of glucose/fructose transport proteins that exhibit 45-65% amino acid homology. GLUT 5 functions mainly as a fructose transporter and is thought to be largely responsible for the uptake of fructose from the lumen of the small intestine. Its' expression is induced in mice exposed to high fructose diets. GLUT5 is also responsible for the uptake of fructose by spermatozoa. The expression pattern of GLUT5 in maturing spermatids suggests that it may serve as a marker for maturation. Expression of GLUT5 in skeletal muscle is localized to the plasma membrane where it is involved in regulating hexose transfer across the sarcolemma.

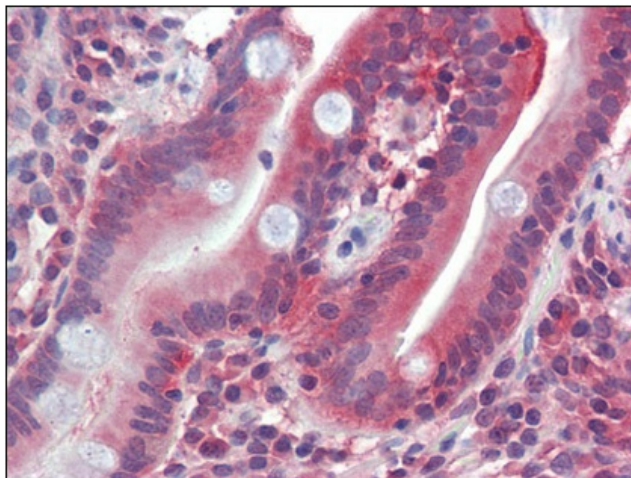


[View online »](#)

Synonyms: GLUT-5, Glucose transporter 5, Glucose transporter type 5 small intestine, Fructose transporter

Protein Families: Transmembrane

Product images:



Small intestine, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)