

Glut5 Polyclonal Antibody
Catalog # AP73571**Specification**

Glut5 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P22732
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Glut5 Polyclonal Antibody - Additional Information**Gene ID** 6518**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Glut5 Polyclonal Antibody - Protein Information**Name** SLC2A5 ([HGNC:11010](#))**Function**

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

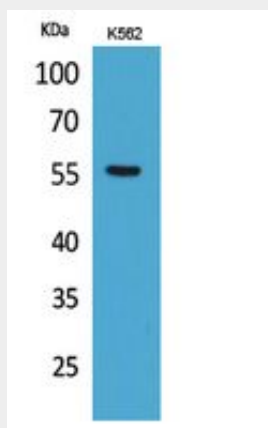
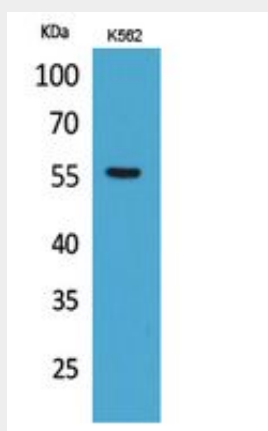
Detected in skeletal muscle, and in jejunum brush border membrane and basolateral membrane (at protein level) (PubMed:7619085). Expressed in small intestine, and at much lower levels in kidney, skeletal muscle, and adipose tissue

Glut5 Polyclonal Antibody - 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](#)

Glut5 Polyclonal Antibody - Images



Glut5 Polyclonal Antibody - Background

Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:8333543). Can mediate the uptake of 2-deoxyglucose, but with low efficiency (PubMed:1695905). Essential for fructose uptake in the small intestine. Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose. Required for the development of high blood pressure in response to high dietary fructose intake (By similarity).