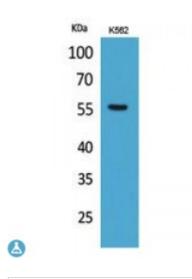


Anti-Glut5 antibody



Description Rabbit polyclonal to Glut5.

Model STJ96753

Host Rabbit

Reactivity Human

Applications ELISA, WB

Immunogen Synthesized peptide derived from human Glut5.

Immunogen Region 21-70 aa, N-terminal

Gene ID <u>6518</u>

Gene Symbol <u>SLC2A5</u>

Dilution range WB 1:500-1:2000ELISA 1:20000

Specificity Glut5 Polyclonal Antibody detects endogenous levels of Glut5 protein.

Tissue Specificity Detected in skeletal muscle, and in jejunum brush border membrane and

basolateral membrane (at protein level) . Expressed in small intestine, and at

much lower levels in kidney, skeletal muscle, and adipose tissue.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Solute carrier family 2, facilitated glucose transporter member 5 Fructose

transporter Glucose transporter type 5, small intestine GLUT-5

Molecular Weight 55 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:110100MIM:138230

Alternative Names Solute carrier family 2, facilitated glucose transporter member 5 Fructose

transporter Glucose transporter type 5, small intestine GLUT-5

Function Functions as a fructose transporter that has only low activity with other

monosaccharides. Can mediate the uptake of 2-deoxyglucose, but with low efficiency. 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.

Cellular Localization Apical cell membrane Cell membrane Cell membrane, sarcolemma. 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.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com