

Rabbit anti-Mouse, Rat Glucose Transporter 5 GLUT5 Polyclonal Antibody | anti-SLC2A5 antibody

Polyclonal Anti-SLC2A5 Antibody

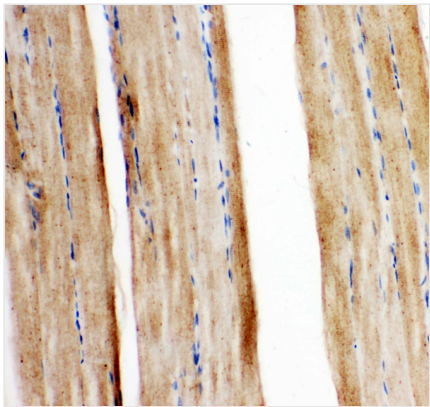
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44918	Rabbit	Mouse, Rat	Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

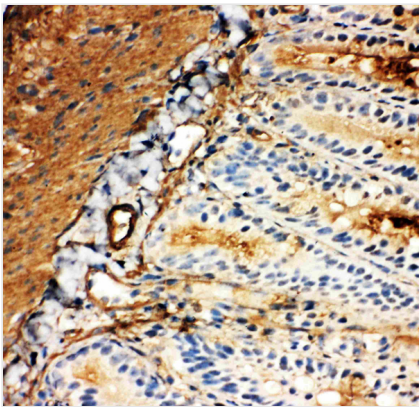
Glucose Transporter 5 GLUT5; Polyclonal Antibody; Polyclonal Anti-SLC2A5 Antibody; **Background:** GLUT5(Glucose transporter 5); also known as SLC2A5; is a fructose transporter expressed on the apical border of enterocytes in the small intestine. The GLUT5 gene is located on chromosome 1. GLUT5 allows for fructose to be transported from the intestinal lumen into the enterocyte by facilitated diffusion due to fructose's high concentration in the intestinal lumen. GLUT5 is also expressed in skeletal muscle; testis; kidney; fat tissue; and brain. Fructose malabsorption or Dietary Fructose Intolerance is a dietary disability of the small intestine; where the amount of fructose carrier in enterocytes is deficient. In humans the GLUT5 protein is encoded by the SLC2A5 gene.; anti-SLC2A5 antibody

PRODUCT SPECIFICATIONS

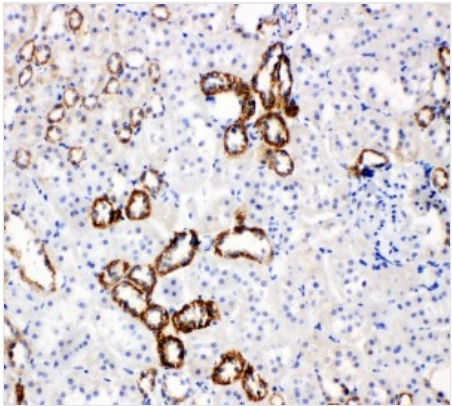
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	501
Applicable Applications for anti-SLC2A5 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse Glucose Transporter 5 GLUT5 (232-251aa ALQTLRGWKDVHLEMEEIRK), different from the related rat sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



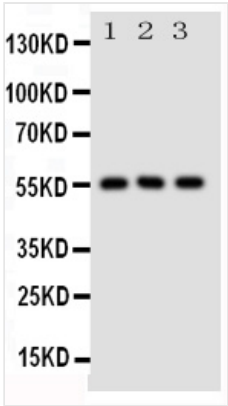
IHC (Immunohistochemistry)
Figure 4. IHC analysis of GLUT5 using anti- GLUT5 antibody. GLUT5 was detected in paraffin-embedded section of mouse ggj3249 tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- GLUT5 Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Anti-SLC2A5 antibody, IHC(F)IHC(F): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-SLC2A5 antibody, IHC(P)IHC(P): Rat Kidney Tissue



WB (Western Blot)
Anti-SLC2A5 antibody, PA1737, Western blotting. All lanes: Anti SLC2A5 at 0.5ug/ml. Lane 1: Rat Kidney Tissue Lysate at 50ug. Lane 2: Rat Liver Tissue Lysate at 50ug. Lane 3: Mouse Kidney Tissue Lysate at 50ug. Predicted bind size: 55KD. Observed bind size: 55KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A5 antibody	Background: GLUT5(Glucose transporter 5), also known as SLC2A5, is a fructose transporter expressed on the apical border of enterocytes in the small intestine. The GLUT5 gene is located on chromosome 1. GLUT5 allows for fructose to be transported from the intestinal lumen into the enterocyte by facilitated diffusion due to fructose's high concentration in the intestinal lumen. GLUT5 is also expressed in skeletal muscle, testis, kidney, fat tissue, and brain. Fructose malabsorption or Dietary Fructose Intolerance is a dietary disability of the small intestine, where the amount of fructose carrier in enterocytes is deficient. In humans the GLUT5 protein is encoded by the SLC2A5 gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940783
NCBI GeneID	56485
UniProt Accession #	Q9WV38; Q8R1N7
NCBI Official Full Name	Solute carrier family 2, facilitated glucose transporter member 5
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 5

NCBI Official Symbol	Slc2a5
NCBI Official Synonym Symbols	Glut5; Slc5a; AI526984
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 5; GLUT-5; fructose transporter; glucose transporter type 5, small intestine
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 5
UniProt Gene Name	Slc2a5
UniProt Synonym Gene Names	Glut5; GLUT-5
UniProt Entry Name	GTR5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glucose-transporter-5-glut5-antibody-immunohistochemistry-immunohistochemistry-western-blot-elisa/44918>