

Rabbit SLC2A5 Polyclonal Antibody | anti-SLC2A5 antibody

Anti-SLC2A5 Antibody

CATALOG # AAA46626	HOST Rabbit	REACTIVITY Human, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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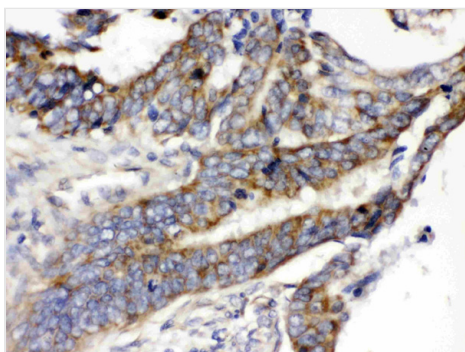
PRODUCT SYNONYMS

SLC2A5; Polyclonal Antibody; Anti-SLC2A5 Antibody; Glucose Transporter 5; GLUT5; GLUT-5; GTR5; SLC 2A5; P22732 ; Solute carrier family 2; facilitated glucose transporter member 5; solute carrier family 2 (facilitated glucose/fructose transporter); member 5; anti-SLC2A5 antibody

PRODUCT SPECIFICATIONS

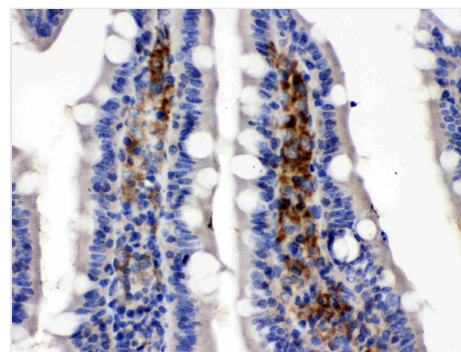
Host	Rabbit
Reactivity	Human, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	244
Applicable Applications for anti-SLC2A5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SLC2A5 (223-259aa QKKDEAAAKKALQTLRGWDSVDREVAEIRQEDEAEKA), different from the related mouse and rat sequences by nine amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 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.

IMAGES



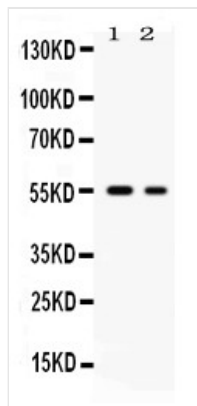
IHC (Immunohistochemisry)

SLC2A5 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti-SLC2A5 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)

SLC2A5 was detected in paraffin-embedded sections of rat intestine cancer tissues using rabbit anti-SLC2A5 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of SLC2A5 expression in rat brain extract (lane 1), and K562 whole cell lysates (lane 2). SLC2A5 at 55KD was detected using rabbit anti-SLC2A5 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A5 antibody	Rabbit IgG polyclonal antibody for Solute carrier family 2, facilitated glucose transporter member 5 (SLC2A5) detection. Background: SLC2A5, also known as GLUT5 (Glucose transporter 5), 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.
References	1. Burant, C. F., Takeda, J., Brot-Laroche, E., Bell, G. I., Davidson, N. O. Fructose transporter in human spermatozoa and small intestine is GLUT5. <i>J. Biol. Chem.</i> 267: 14523-14526, 1992. 2. Davidson, N. O., Hausman, A. M. L., Ifkovits, C. A., Buse, J. B., Gould, G. W., Burant, C. F., Bell, G. I. Human intestinal glucose transporter expression and localization of GLUT5. <i>Am. J. Physiol.</i> 262: C795-C800, 1992. 3. Kayano, T., Burant, C. F., Fukumoto, H., Gould, G. W., Fan, Y. S., Eddy, R. L., Byers, M. G., Shows, T. B., Seino, S., Bell, G. I. Human facilitative glucose transporters: isolation, functional characterization, and gene localization of cDNAs encoding an isoform (GLUT5) expressed in small intestine, kidney, muscle, and adipose tissue and an unusual glucose transporter pseudogene-like sequence (GLUT6). <i>J. Biol. Chem.</i> 265: 13276-13282, 1990.

NCBI AND UNIPROT INFORMATION

NCBI GI #	207447703
NCBI GeneID	6518
NCBI Accession #	NP_001129057.1
NCBI GenBank Nucleotide #	NM_001135585.1
UniProt Accession #	P22732; Q14770; Q5T977; Q8IVB3
Molecular Weight	26,519 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 5 isoform 2
NCBI Official Synonym Full Names	solute carrier family 2 member 5
NCBI Official Symbol	SLC2A5
NCBI Official Synonym Symbols	GLUT5; GLUT-5
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 5
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_HUMAN

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/slc2a5-antibody-immunohistochemistry-western-blot-elisa/46626>