

anti-Human SLC2A2 Polyclonal Antibody | anti-SLC2A2 antibody

Anti-SLC2A2 Antibody

CATALOG # AAA46580	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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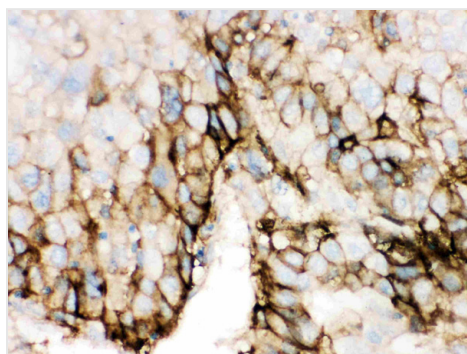
PRODUCT SYNONYMS

SLC2A2; Polyclonal Antibody; Anti-SLC2A2 Antibody; Solute carrier family 2; facilitated glucose transporter member 2; liver; Glucose Transporter 2; Glucose Transporter GLUT2; Glucose transporter type 2; Glucose transporter type 2 liver; Glucose transporter; liver/islet; GLUT-2; GLUT2; GTR2_HUMAN; GTT2; Solute carrier family 2 (facilitated glucose transporter) member 2; Solute carrier family 2 facilitated glucose transporter member 2; solute carrier family 2 (facilitated glucose transporter); member 2; anti-SLC2A2 antibody

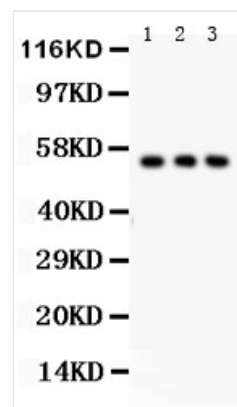
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	524
Applicable Applications for anti-SLC2A2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SLC2A2 (486-514aa ETKGKSFEIIEAEFQKKSGSAHRPKAAVE), different from the related mouse sequence by five amino acids, and from the related rat sequence by seven amino acids.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


IHC (Immunohistochemistry)

Anti- SLC2A2 Picoband antibody, AAA46580, IHC(P)IHC(P): Human Liver Cancer Tissue


WB (Western Blot)

Anti- SLC2A2 Picoband antibody, AAA46580, Western blottingAll lanes: Anti SLC2A2 (AAA46580) at 0.5ug/mlLane 1: PANC Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 57KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A2 antibody	Description: Rabbit IgG polyclonal antibody for Solute carrier family 2, facilitated glucose transporter member 2(SLC2A2) detection. Tested with WB, IHC-P in Human. Background: SLC2A2, also known as Glucose transporter 2 (GLUT2), is a transmembrane carrier protein that enables protein facilitatedglucose movement across cell membranes. This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. The encoded protein mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. Mutations in this gene are associated with susceptibility to diseases, including Fanconi-Bickel syndrome and noninsulin-dependent diabetes mellitus (NIDDM). Alternative splicing results in multiple transcript variants of this gene.
References	1. Froguel P, Zouali H, Sun F, Velho G, Fukumoto H, Passa P, Cohen D (July 1991)."CA repeat polymorphism in the glucose transporter GLUT 2 gene". Nucleic Acids Res. 19 (13): 3754. 2. Santer R, Groth S, Kinner M, Dombrowski A, Berry GT, Brodehl J, Leonard JV, Moses S, Norgren S, Skovby F, Schneppenheim R, Steinmann B, Schaub J (January 2002). "The mutation spectrum of the facilitative glucose transporter gene SLC2A2 (GLUT2) in patients with Fanconi-Bickel syndrome".Hum. Genet. 110 (1): 21-9. 3. Uldry M, Ibberson M, Hosokawa M, Thorens B (July 2002). "GLUT2 is a high affinity glucosamine transporter". FEBS Lett. 524(1-3): 199-203.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557851
NCBI GeneID	6514
NCBI Accession #	NP_000331.1
NCBI GenBank Nucleotide #	NM_000340.1
UniProt Accession #	P11168; Q9UCW9; A8K481; B2R936; B7Z547; F8W8V8
Molecular Weight	44,702 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 2 member 2
NCBI Official Symbol	SLC2A2
NCBI Official Synonym Symbols	GLUT2
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 2
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 2
UniProt Gene Name	SLC2A2
UniProt Synonym Gene Names	GLUT2; GLUT-2
UniProt Entry Name	GTR2_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.