

Rabbit Glut 4 Polyclonal Antibody | anti-GLUT4 antibody

Glut 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322033	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

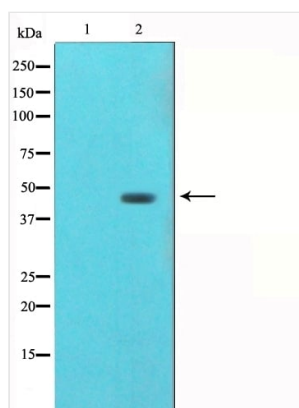
PRODUCT SYNONYMS

Glut 4; Polyclonal Antibody; Glut 4 Antibody; insulin-responsive; Glucose transporter GLUT 4; Glucose transporter type 4; Glucose transporter type 4 insulin responsive; GLUT 4; GLUT-4; GTR4_HUMAN; Insulin responsive glucose transporter type 4; kug; SLC 2A4; SLC2A4; solute carrier family 2 (facilitated glucose transporter) member 4; Solute carrier family 2 member 4; Solute carrier family 2; facilitated glucose transporter member 4; anti-GLUT4 antibody

PRODUCT SPECIFICATIONS

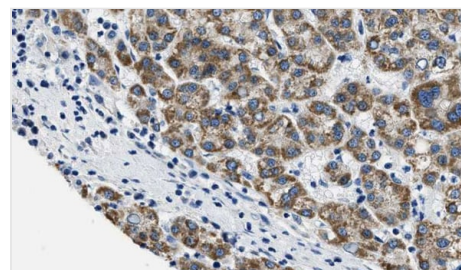
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Glut 4 Antibody detects endogenous levels of total Glut 4.
Purity/Purification	Peptide affinity purification
Form/Format	Supplied in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Applicable Applications for anti-GLUT4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Glut 4, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 °C.

IMAGES



WB (Western Blot)

Western blot analysis of Glut 4 Ab expression in A549 cells. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA322033 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GLUT4 antibody	In response to insulin, Glut4 is quickly shuttled from an intracellular storage site to the plasma membrane, where it binds glucose. In contrast, the ubiquitously expressed glucose transporter Glut1 is constitutively targeted to the plasma membrane and shows a much less dramatic translocation in response to insulin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507011
NCBI GeneID	6517
NCBI Accession #	NP_001033.1
NCBI GenBank Nucleotide #	NM_001042.2
UniProt Accession #	P14672; Q05BQ3; Q14CX2
Molecular Weight	54 kDa
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 4
NCBI Official Synonym Full Names	solute carrier family 2 member 4
NCBI Official Symbol	SLC2A4
NCBI Official Synonym Symbols	GLUT4
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 4
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 4
UniProt Gene Name	SLC2A4
UniProt Synonym Gene Names	GLUT-4

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.