

Rabbit anti-Human, Rat GLUT3 Polyclonal Antibody | anti-GLUT3 antibody

GLUT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322096	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

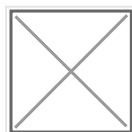
PRODUCT SYNONYMS

GLUT3; Polyclonal Antibody; GLUT3 Antibody; brain; FLJ90380; Glucose transporter type 3; Glucose transporter type 3 brain; GLUT 3; GLUT-3; GTR3_HUMAN; Slc2a3; Solute Carrier Family 2 (Facilitated Glucose Transporter) Member 3; Solute carrier family 2; facilitated glucose transporter member 3; anti-GLUT3 antibody

PRODUCT SPECIFICATIONS

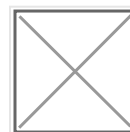
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GLUT3 antibody detects endogenous levels of total GLUT3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	496
Applicable Applications for anti-GLUT3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GLUT3
Subcellular Location	Membrane.
Tissue Specificity	Highly expressed in brain. Expressed in many tissues.
Predicted Cross Reactivity	Horse, Chicken
Similarity	Horse (83%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322096 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA322096 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-GLUT3 antibody	Function: Facilitative glucose transporter that can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed:9477959, PubMed:26176916). Mediates the uptake of glucose, 2-deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed:9477959, PubMed:26176916). Does not mediate fructose transport (PubMed:9477959, PubMed:26176916). Similarity: Transport is mediated via a series of conformation changes, switching between a conformation where the substrate-binding cavity is accessible from the outside, and a another conformation where it is accessible from the cytoplasm. Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5902090
NCBI GeneID	6515
NCBI Accession #	NP_008862.1
NCBI GenBank Nucleotide #	NM_006931.2
UniProt Accession #	P11169; Q6I9U2; Q9UG15; B2R606; D3DUU6
Molecular Weight	Observed: 54 kDa Predicted: 54 kDa
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 3
NCBI Official Synonym Full Names	solute carrier family 2 member 3
NCBI Official Symbol	SLC2A3
NCBI Official Synonym Symbols	GLUT3
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 3
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 3
UniProt Gene Name	SLC2A3
UniProt Synonym Gene Names	GLUT3; GLUT-3

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/glut3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322096>