

Rabbit anti-Human, Mouse Glut-1 Polyclonal Antibody | anti-Glut-1 antibody

Glut-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29922	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

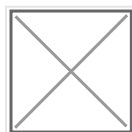
PRODUCT SYNONYMS

Glut-1; Polyclonal Antibody; Glut-1 Antibody; Choreoathetosis/spasticity episodic (paroxysmal choreoathetosis/spasticity) antibody; CSE antibody; DYT17 antibody; DYT18 antibody; DYT9 antibody; EIG12 antibody; erythrocyte/brain antibody; Erythrocyte/hepatoma glucose transporter antibody; facilitated glucose transporter member 1 antibody; Glucose transporter 1 antibody; Glucose transporter type 1 antibody; Glucose transporter type 1; GLUT antibody; GLUT-1 antibody; GLUT1 antibody; GLUT1DS antibody; GLUTB antibody; GT1 antibody; GTG1 antibody; Gtg3 antibody; GTR1_HUMAN antibody; HepG2 glucose transporter antibody; HTLVVR antibody; Human T cell leukemia virus (I and II) receptor antibody; MGC141895 antibody; MGC141896 antibody; PED antibody; RATGTG1 antibody; Receptor for HTLV 1 and HTLV 2 antibody; SLC2A1 antibody; Solute carrier family 2 (facilitated glucose transporter); member 1 antibody; Solute carrier family 2 antibody; Solute carrier family 2; anti-Glut-1 antibody

PRODUCT SPECIFICATIONS

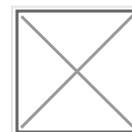
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Glut-1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500 IHC: 1:50-1:200 ICC: 1:100-1:500 FC/FACS: 1:50-1:100
Immunogen	Peptide.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with Glut1 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



ICC (Immunocytochemistry)

ICC staining Glut1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Glut1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Glut1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Glut1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Glut1 on human placenta tissue lysates using anti-Glut1 antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Glut-1 antibody	Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. In adipose and muscle tissue, insulin stimulates a rapid and dramatic increase in glucose uptake, which is largely due to the redistribution of the insulin-inducible glucose transporter, Glut4. 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. Glut1 and Glut4 are twelve-pass transmembrane proteins (12TM) whose carboxy-termini may dictate their cellular localization. Aberrant Glut4 expression has been suggested to contribute to such maladies as obesity and diabetes. Glut4 null mice have shown that while functional Glut4 protein is not required for maintaining normal glucose levels, it is necessary for sustained growth, normal cellular glucose, fat metabolism and prolonged longevity.
Product Categories/Family for anti-Glut-1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795299
NCBI GeneID	6513
NCBI Accession #	NP_006507.2
NCBI GenBank Nucleotide #	NM_006516.2
UniProt Accession #	P11166; O75535; Q147X2; A8K9S6; B2R620; D3DPX0
Molecular Weight	54,084 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 1
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 1
NCBI Official Symbol	SLC2A1
NCBI Official Synonym Symbols	PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT1DS
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1; GLUT-1; hepG2 glucose transporter; glucose transporter type 1, erythrocyte/brain; human T-cell leukemia virus (I and II) receptor
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 1
UniProt Gene Name	SLC2A1
UniProt Synonym Gene Names	GLUT1; GLUT-1
UniProt Entry Name	GTR1_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/glut-1-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29922>