

Mouse anti-Human Glut-1 Monoclonal Antibody | anti-Glut-1 antibody

Glut-1 Monoclonal Antibody

CATALOG # AAA78242	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Glut-1; Monoclonal Antibody; Glut-1 Monoclonal Antibody; anti-Glut-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b Kappa
Clone Number	ABM4G40
Purity/Purification	Protein G Chromatography.
Form/Format	Purified 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	492
Applicable Applications for anti-Glut-1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A partial length recombinant Glut-1 protein (amino acid 200-492) was used as the immunogen for this antibody.
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



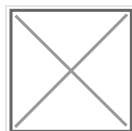
FCM/FACS (Flow Cytometry)

Cell surface flow analysis of Glut-1 in Panc-1 cell line using 0.5 ug/10⁶ cells of Glut-1 antibody (Clone: ABM4G40). Green represents isotype control; red represents anti-Glut-1 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Glut-1 in human renal cell carcinoma using Glut-1 antibody (Clone: ABM4G40) at 5 ug/ml.



WB (Western Blot)

Western Blot analysis Analysis of Glut-1. Anti- Glut-1 antibody (Clone: ABM4G40) was tested at 0.5 ug/ml and 2 ug/ml on (1) recombinant protein (2) human liver and (3) human ovary lysates. respectively

ADDITIONAL INFORMATION

Related Product Information for anti-Glut-1 antibody	Glucose transporter 1 (Glut-1) also known as solute carrier family 2, facilitated glucose transporter member 1 (SLC2A1), is a uniporter protein. GLUT1 expression is correlated with FDG uptake by Extrahepatic bile duct (EHD) cancers. GLUT-1-deficiency syndrome is a treatable metabolic disorder caused by a mutation of mutation of SLC2A1 gene. The functional deficiency of the GLUT1 protein leads to an impaired glucose transport into the brain, resulting in neurologic disorders gene.
Product Categories/Family for anti-Glut-1 antibody	Cancer Marker

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
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	CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; GLUT1DS
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1
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.