Mouse GLUT-1 Monoclonal Antibody | anti-GLUT-1 antibody

GLUT-1 (Tumor Progression and Mesothelioma Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214685	**Mouse**	**Human. Others not known.**	**Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

GLUT-1; Monoclonal Antibody; GLUT-1 (Tumor Progression and Mesothelioma Marker); Erythrocyte/hepatoma glucose transporter; Glucose transporter type-1; GLUT1; GLUT1DS; GLUTB; GT1; GTG1; Gtg3; HepG2 glucose transporter; PED; RATGTG1; Solute carrier family 2; facilitated glucose transporter member 1 (SLC2A1); anti-GLUT-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	GLUT1/2475
Specificity	Recognizes a protein of 55kDa, which is identified as GLUT-1. Glucose transporters are integral membrane glycoproteins involved in transporting glucose into most cells. There are many types of glucose transport carrier proteins, designated as Glut-1 to Glut-12. Glut-1 is a major glucose transporter in the mammalian blood-brain barrier. It is expressed in high density on the membranes of human erythrocytes and the brain capillaries that comprise the blood-brain barrier. Glut-1 is expressed at variable levels in many human tissues. Overexpression of Glut-1 has been linked to tumor progression or poor survival of patients with carcinomas of the colon, breast, cervical, lung, bladder and mesothelioma. Glut-1 is a sensitive and specific marker for the differentiation of malignant mesothelioma (positive) from reactive mesothelium (negative).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	492
Applicable Applications for anti-GLUT-1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment of human GLUT1 protein (around aa 203-305)
Cellular Localization	Cell Surface
Hu-chromosome Location	1p34.2
Positive Control	MDA-MB-231 cells or erythrocytes. Mesothelioma or breast, colon and ovarian carcinoma.

IMAGES

Application Data
Analysis of Protein Array containing more than 19, 000 full-length human proteins using GLUT-1 Mouse Monoclonal Antibody (GLUT1/2475).Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

SDS-PAGE
SDS-PAGE Analysis Purified GLUT-1 Mouse Monoclonal Antibody (GLUT1/2475).Confirmation of Purity and Integrity of Antibody.

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Bladder carcinoma stained with GLUT-1 Mouse Monoclonal Antibody (GLUT1/2475).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tongue stained with GLUT-1 Mouse Monoclonal Antibody (GLUT1/2475).

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795299
NCBI GeneID	6513
NCBI Accession #	NP_006507.2
NCBI GenBank Nucleotide #	NM_006516.3
UniProt Accession #	P11166; O75535; Q147X2; A8K9S6; B2R620; D3DPX0
Molecular Weight	55kDa
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 1
NCBI Official Synonym Full Names	solute carrier family 2 member 1
NCBI Official Symbol	SLC2A1
NCBI Official Synonym Symbols	CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; SDCHCN; 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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/glut-1-antibody-clone-glut1-2475-immunohistochemistry-elisa/214685