

Mouse anti-Human, Mouse GLUT4 Monoclonal Antibody | anti-GLUT4 antibody

Anti-GLUT4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265863	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

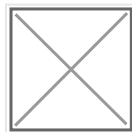
PRODUCT SYNONYMS

GLUT4; Monoclonal Antibody; Anti-GLUT4 Antibody; anti-GLUT4 antibody

PRODUCT SPECIFICATIONS

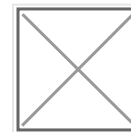
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of GLUT4 protein.
Purity/Purification	The antibody was purified by protein G.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-GLUT4 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment of human GLUT4 expressed in E coli. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



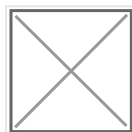
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells using Anti-GLUT4 Antibody (green) and negative control (purple).



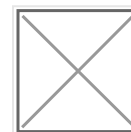
IF (Immunofluorescence)

Immunofluorescent analysis of GLUT4 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of GLUT4 staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of GLUT4 expression in HeLa (A), NIH3T3 (B), 3T3-L1 (C), mouse heart (D) whole cell lysates. (Predicted band size: 43; 54 kD; Observed band size: 55 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-GLUT4 antibody	Mouse monoclonal antibody to GLUT4
Product Categories/Family for anti-GLUT4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	121761
NCBI GeneID	6517
UniProt Accession #	P14672 ; P14142
Molecular Weight	509
NCBI Official Full Name	Solute carrier family 2, facilitated glucose transporter member 4
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 4
NCBI Official Symbol	SLC2A4
NCBI Official Synonym Symbols	GLUT4
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 4; GLUT-4; insulin-responsive glucose transporter type 4; glucose transporter type 4, insulin-responsive
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 4
UniProt Gene Name	SLC2A4
UniProt Synonym Gene Names	GLUT4; GLUT-4
UniProt Entry Name	GTR4_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/monoclonal/glut4-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/265863>