

Mouse anti-Human, Mouse Glucose Transporter GLUT4 Monoclonal Antibody | anti-SLC2A4 antibody

Glucose Transporter GLUT4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311904	Mouse	Human, Mouse	Immunohistochemistry, Immunocytochemistry, Western Blot

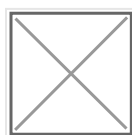
PRODUCT SYNONYMS

Glucose Transporter GLUT4; Monoclonal Antibody; Glucose Transporter GLUT4 Antibody; Glucose transporter GLUT 4 Glucose transporter type 4 Glucose transporter type 4 insulin responsive GLUT 4 GLUT-4 GLUT4 GTR4_HUMAN Insulin responsive glucose transporter type 4 insulin-responsive kug SLC 2A4 SLC2A4 solute carrier family 2 (facilitated glucose transporter) member 4 Solute carrier family 2 member 4 Solute carrier family 2; facilitated glucose transporter member 4; anti-SLC2A4 antibody

PRODUCT SPECIFICATIONS

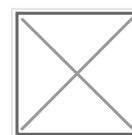
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	3-A10
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SLC2A4 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

ICC staining Glut4 in NIH/3T3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis on NIH/3T3 cell lysates using anti- Glut4 mouse mAb.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A4 antibody	Under conditions of low insulin, most GLUT4 is sequestered in intracellular vesicles in muscle and fat cells. Insulin induces a rapid increase in the uptake of glucose by inducing the translocation of GLUT4 from these vesicles to the plasma membrane. As the vesicles fuse with the plasma membrane, GLUT4 transporters are inserted and become available for transporting glucose, and glucose absorption increases. Muscle contraction stimulates muscle cells to translocate GLUT4 receptors to their surfaces. This is especially true in cardiac muscle, where continuous contraction can be relied upon; but is observed to a lesser extent in skeletal muscle.
Product Categories/Family for anti-SLC2A4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	121761
NCBI GeneID	6517
UniProt Accession #	P14672; Q05BQ3; Q14CX2
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/glucose-transporter-glut4-antibody-clone-3-a10-immunohistochemistry-immunocytochemistry-western-blot-elisa/311904>