

Rabbit anti-Human GLUT4 Polyclonal Antibody | anti-SLC2A4 antibody

GLUT4 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283276	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

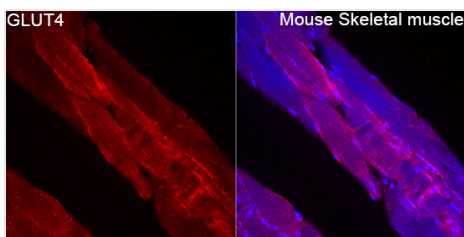
PRODUCT SYNONYMS

GLUT4; Polyclonal Antibody; GLUT4 Rabbit pAb; anti-SLC2A4 antibody

PRODUCT SPECIFICATIONS

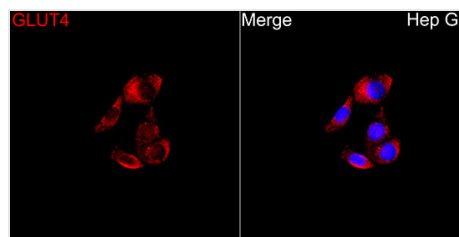
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	VLPALLQLVL LPFCPESPRY LYIIQNLEGP ARKSLKRLTG WADVSGVLAE LKDEKRLER ERPLSLQLL GSRTHRQPLI IAVVLQLSQQ LSGINAVFYY S
Applicable Applications for anti-SLC2A4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 210-310 of human GLUT4(NP_001033.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



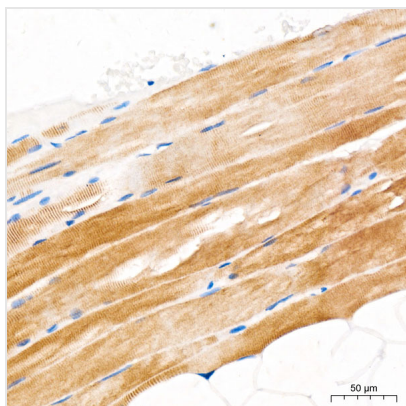
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Mouse skeletal muscle tissue using GLUT4 Rabbit pAb(AAA283276) at a dilution of 1:250 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



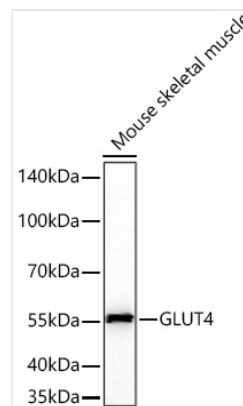
IF (Immunofluorescence)

Immunofluorescence analysis of Hep G2 cells using GLUT4 Rabbit pAb(AAA283276) at a dilution of 1:250 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using GLUT4 Rabbit pAb (AAA283276) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from Mouse skeletal muscle using GLUT4 Rabbit pAb (AAA283276) at 1:1000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A4 antibody	This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM).
Product Categories/Family for anti-SLC2A4 antibody	Cancer ; Signal Transduction ; Cell Biology Developmental Biology ; Endocrine Metabolism ; Carbohydrate metabolism ; AMPK Signaling Pathway ; Insulin Receptor Signaling Pathway ; Warburg Effect ; Endocrine and metabolic diseases ; Diabetes ; Stem Cells ; Mesenchymal

NCBI AND UNIPROT INFORMATION

NCBI GI #	121761
NCBI GeneID	6517
UniProt Accession #	P14672 ; Q05BQ3 ; Q14CX2
Molecular Weight	Calculated MW: 55kDa Observed MW: 50kDa
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://www.aaabiotech.com/polyclonal/glut4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/283276>