Rabbit GLUT12 Polyclonal Antibody | anti-SLC2A12 antibody

GLUT12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329144	**Rabbit**	**Human, Mouse, Rat**	**ELISA**

PRODUCT SYNONYMS

GLUT12; Polyclonal Antibody; GLUT12 Antibody; Glucose transporter type 12; GLUT 12; GLUT-12; GLUT8; GTR12_HUMAN; SLC2A12; Solute carrier family 2 (facilitated glucose transporter) member 12; Solute carrier family 2 facilitated glucose transporter member 12; Solute carrier family 2 member 12; Solute carrier family 2; facilitated glucose transporter member 12; anti-SLC2A12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GLUT12 Antibody detects endogenous levels of total GLUT12.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	617
Applicable Applications for anti-SLC2A12 antibody	ELISA
Immunogen	A synthesized peptide derived from human GLUT12, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA329144 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25Â°C. Samples were then incubated with primary Ab(AAA329144 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Â°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).

WB (Western Blot)
Western blot analysis of extracts from Human liver, using GLUT12 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC2A12 antibody	Function: Insulin-independent facilitative glucose transporter. Subcellular Location: Cell membrane>Multi-pass membrane protein. Endomembrane system>Multi-pass membrane protein. Cytoplasm>Perinuclear region. Note: Localizes primarily perinuclear region in the absence of insulin. Tissue Specificity: Predominantly expressed in skeletal muscle, heart and prostate, with lower levels in brain, placenta and kidney. Similarity: Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19172484
NCBI GeneID	154091
UniProt Accession #	Q8TD20
Molecular Weight	Observed Molecular Weight: (Observed)66kD. Predicted Molecular Weight: (Calculated)67kDa.
NCBI Official Full Name	glucose transporter protein 12
NCBI Official Synonym Full Names	solute carrier family 2 member 12
NCBI Official Symbol	SLC2A12
NCBI Official Synonym Symbols	GLUT8; GLUT12
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 12
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 12
UniProt Gene Name	**SLC2A12**
UniProt Synonym Gene Names	GLUT12; GLUT8; GLUT-12

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/polyclonal/glut12-antibody-elisa/329144