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Goat anti-SLC2A4 Antibody

Peptide-affinity purified goat antibody
Catalog # AF4538a

Product Information

Application	IF, Pep-ELISA
Primary Accession	P14672
Other Accession	NP_001033.1
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	SLC2A4
Calculated MW	54787

Additional Information

Gene ID	6517
Other Names	SLC2A4; solute carrier family 2 (facilitated glucose transporter), member 4; GLUT4; glucose transporter 4; insulin-responsive glucose transporter type 4
Dilution	IF~~1:50~200 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-SLC2A4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLC2A4 (HGNC:11009)
Function	Insulin-regulated facilitative glucose transporter, which plays a key role in removal of glucose from circulation. Response to insulin is regulated by its intracellular localization: in the absence of insulin, it is efficiently retained intracellularly within storage compartments in muscle and fat cells. Upon insulin stimulation, translocates from these compartments to the cell surface where it transports glucose from the extracellular milieu into the cell.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P14142}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P14142} Endomembrane system;

	Multi-pass membrane protein. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P14142}. Note=Localizes primarily to the perinuclear region, undergoing continued recycling to the plasma membrane where it is rapidly reinternalized (PubMed:8300557). The dileucine internalization motif is critical for intracellular sequestration (PubMed:8300557). Insulin stimulation induces translocation to the cell membrane (By similarity) {ECO:0000250|UniProtKB:P14142, ECO:0000269|PubMed:8300557}
Tissue Location	Skeletal and cardiac muscles; brown and white fat.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.