

Goat anti-SLC2A4 Antibody
Peptide-affinity purified goat antibody
Catalog # AF4538a**Specification**

Goat anti-SLC2A4 Antibody - 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
Calculated MW	54787

Goat anti-SLC2A4 Antibody - 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.

Goat anti-SLC2A4 Antibody - 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.

Goat anti-SLC2A4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-SLC2A4 Antibody - Images