

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

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**Goat anti-SLC2A4 Antibody - Product Information**

Application	IF, Pep-ELISA
Primary Accession	<a href="#">P14672</a>
Other Accession	<a href="#">NP_001033.1</a>
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**