

**SLC2A4 / GLUT4 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3248a****Specification**

---

**SLC2A4 / GLUT4 Antibody (C-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">P14672</a>
Other Accession	<a href="#">NP_001033.1</a> , <a href="#">6517</a> , <a href="#">20528 (mouse)</a> , <a href="#">25139 (rat)</a>
Reactivity	Mouse, Rat
Predicted	Human, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	54787

**SLC2A4 / GLUT4 Antibody (C-Term) - Additional Information****Gene ID** 6517**Other Names**

Solute carrier family 2, facilitated glucose transporter member 4, Glucose transporter type 4, insulin-responsive, GLUT-4, SLC2A4, GLUT4

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**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**

SLC2A4 / GLUT4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC2A4 / GLUT4 Antibody (C-Term) - 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}

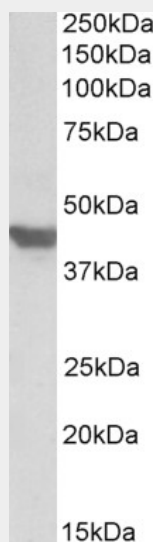
**Tissue Location**

Skeletal and cardiac muscles; brown and white fat.

**SLC2A4 / GLUT4 Antibody (C-Term) - 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](#)

**SLC2A4 / GLUT4 Antibody (C-Term) - Images**

AF3248a (1 µg/ml) staining of Mouse Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**SLC2A4 / GLUT4 Antibody (C-Term) - References**

PTEN identified as important risk factor of chronic obstructive pulmonary disease. Hosgood HD, Menashe I, He X, Chanock S, Lan Q, Respiratory medicine 2009 Dec 103 (12): 1866-70. PMID: 19625176