

## SLC2A4

**Reactivity:**Human Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:1000

**Calculated MW:**56kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human SLC2A4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

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

**Background:**

A group of related glucose transporters (Glut1-5 and 7) mediate the facilitated diffusion of glucose in nonepithelial mammalian tissues. Within insulin-responsive tissues such as muscle and fat, Glut1 contributes to basal glucose uptake while SLC2A4 is responsible for insulin-stimulated glucose transport (1-3). SLC2A4 is a 12-transmembrane domain protein that facilitates glucose transport in the direction of the glucose gradient. This transporter localizes to intracellular organelles (endosomes) in unstimulated cells and translocates to the cell surface following insulin stimulation (1,2,4). Translocation of SLC2A4 is dependent on Akt, which may act by phosphorylating AS160, a RabGAP protein involved in membrane trafficking (5).

**To place an order, please [Click HERE](#).**

**Catalog #:**A0071

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**6517

**Isotype:**IgG

**Swiss Prot:**P14672

**Purity:**Affinity purification

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