

**SLC2A4 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20792a****Specification**

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**SLC2A4 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P14672</a>
Other Accession	<a href="#">P19357</a> , <a href="#">P14142</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54787

**SLC2A4 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

**Target/Specificity**

This SLC2A4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 495-529 amino acids from the C-terminal region of human SLC2A4.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**SLC2A4 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

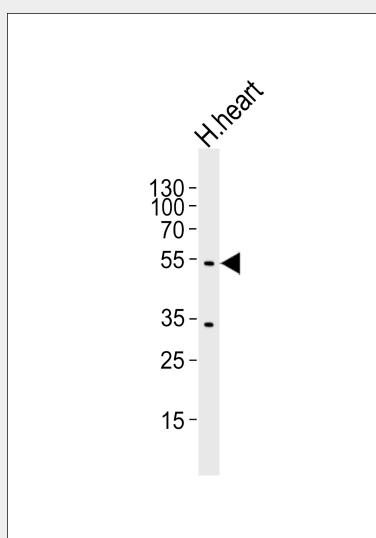
Skeletal and cardiac muscles; brown and white fat.

### SLC2A4 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 Antibody (C-term) - Images



Western blot analysis of lysate from human heart tissue, using SLC2A4 Antibody (C-term)(Cat. #AP20792a). AP20792a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

### SLC2A4 Antibody (C-term) - Background

Insulin-regulated facilitative glucose transporter.

**SLC2A4 Antibody (C-term) - References**

Fukumoto H.,et al.J. Biol. Chem. 264:7776-7779(1989).  
Buse J.B.,et al.Diabetes 41:1436-1445(1992).  
Chiaramonte R.,et al.Gene 130:307-308(1993).  
Verhey K.J.,et al.J. Biol. Chem. 269:2353-2356(1994).  
Laloti V.S.,et al.J. Biol. Chem. 277:19783-19791(2002).