

SLC2A4 / GLUT-4 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS15380**Specification**

SLC2A4 / GLUT-4 Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	P14672
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Horse
Host	Goat
Clonality	Polyclonal
Calculated MW	55kDa KDa

SLC2A4 / GLUT-4 Antibody (C-Terminus) - 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

Human SLC2A4 / GLUT4.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SLC2A4 / GLUT-4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC2A4 / GLUT-4 Antibody (C-Terminus) - 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}

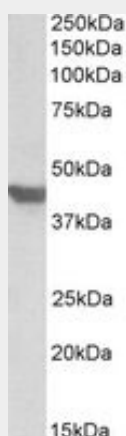
Tissue Location

Skeletal and cardiac muscles; brown and white fat.

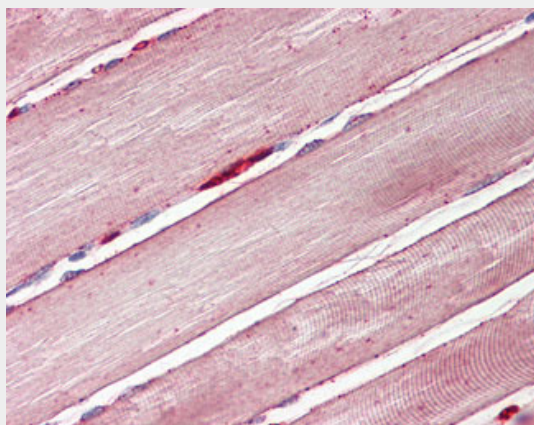
SLC2A4 / GLUT-4 Antibody (C-Terminus) - Protocols

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 / GLUT-4 Antibody (C-Terminus) - Images

SLC2A4 antibody (1 ug/ml) staining of Mouse Heart lysate (35 ug protein/ml in RIPA buffer).



Anti-GLUT4 antibody IHC of human skeletal muscle.

SLC2A4 / GLUT-4 Antibody (C-Terminus) - Background

Insulin-regulated facilitative glucose transporter.

SLC2A4 / GLUT-4 Antibody (C-Terminus) - References

Fukumoto H.,et al.J. Biol. Chem. 264:7776-7779(1989).
Buse J.B.,et al.Diabetes 41:1436-1445(1992).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Chiaramonte R.,et al.Gene 130:307-308(1993).
Verhey K.J.,et al.J. Biol. Chem. 269:2353-2356(1994).