

SLC2A3 / GLUT3 Antibody (aa447-496)
Rabbit Polyclonal Antibody
Catalog # ALS14751**Specification**

SLC2A3 / GLUT3 Antibody (aa447-496) - Product Information

Application	WB
Primary Accession	P11169
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

SLC2A3 / GLUT3 Antibody (aa447-496) - Additional Information**Gene ID** 6515**Other Names**

Solute carrier family 2, facilitated glucose transporter member 3, Glucose transporter type 3, brain, GLUT-3, SLC2A3, GLUT3

Target/Specificity

GLUT3 Antibody detects endogenous levels of total GLUT3 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SLC2A3 / GLUT3 Antibody (aa447-496) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC2A3 / GLUT3 Antibody (aa447-496) - Protein Information**Name** SLC2A3 ([HGNC:11007](#))**Function**

Facilitative glucose transporter (PubMed:9477959, PubMed:26176916). Can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed:9477959, PubMed:26176916). Mediates the uptake of glucose, 2-deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed:9477959, PubMed:26176916). Does not mediate fructose transport (PubMed:9477959, PubMed:26176916). Required for mesendoderm differentiation (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Perikaryon {ECO:0000250|UniProtKB:Q07647}. Cell projection {ECO:0000250|UniProtKB:Q07647}. Note=Localized to densely spaced patches along neuronal processes. {ECO:0000250|UniProtKB:Q07647}

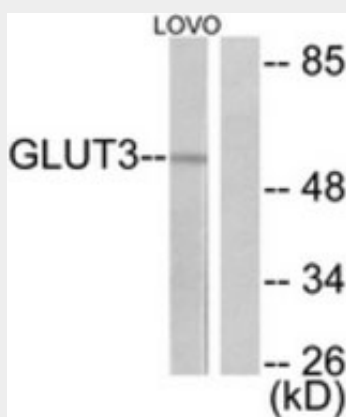
Tissue Location

Highly expressed in brain (PubMed:8457197). Expressed in many tissues.

SLC2A3 / GLUT3 Antibody (aa447-496) - 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](#)

SLC2A3 / GLUT3 Antibody (aa447-496) - Images

Western blot of extracts from LOVO cells, using GLUT3 Antibody.

SLC2A3 / GLUT3 Antibody (aa447-496) - Background

Facilitative glucose transporter. Probably a neuronal glucose transporter.

SLC2A3 / GLUT3 Antibody (aa447-496) - References

Kayano T.,et al.J. Biol. Chem. 263:15245-15248(1988).
Stuart C.A.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.