

GLUT3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51520**Specification**

GLUT3 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P11169
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54 KDa

GLUT3 Antibody - 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

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

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

Facilitative glucose transporter (PubMed: [26176916](http://www.uniprot.org/citations/26176916)), PubMed: [32860739](http://www.uniprot.org/citations/32860739), PubMed: [9477959](http://www.uniprot.org/citations/9477959)). Can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed: [26176916](http://www.uniprot.org/citations/26176916), PubMed: [9477959](http://www.uniprot.org/citations/9477959)). Mediates the uptake of glucose, 2- deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed: [26176916](http://www.uniprot.org/citations/26176916), PubMed: [9477959](http://www.uniprot.org/citations/9477959)). Does not mediate fructose transport (PubMed: [26176916](http://www.uniprot.org/citations/26176916), PubMed: [9477959](http://www.uniprot.org/citations/9477959)). 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.

GLUT3 Antibody - 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](#)

GLUT3 Antibody - Images**GLUT3 Antibody - Background**

Facilitative glucose transporter. Probably a neuronal glucose transporter.

GLUT3 Antibody - 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.