

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

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**GLUT3 Antibody - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">P11169</a>
Reactivity	<b>Human, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>54 KDa</b>

**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.