

GLUT3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51520

Product Information

Application	WB, IHC-P
Primary Accession	P11169
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53924

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
Dilution	WB~~1:1000 IHC-P~~N/A
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

Protein Information

Name	SLC2A3 (HGNC:11007)
Function	Facilitative glucose transporter (PubMed: 26176916 , PubMed: 32860739 , PubMed: 9477959). Can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed: 26176916 , PubMed: 9477959). Mediates the uptake of glucose, 2- deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed: 26176916 , PubMed: 9477959). Does not mediate fructose transport (PubMed: 26176916 , PubMed: 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.

Background

Facilitative glucose transporter. Probably a neuronal glucose transporter.

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.

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