10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody

Catalog # ABO13806

Product Information

Application	WB
Primary Accession	P11169
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	6515
Other Names	Solute carrier family 2, facilitated glucose transporter member 3, Glucose transporter type 3, brain, GLUT-3, SLC2A3 (HGNC:11007)
Calculated MW	53924
Application Details	WB 1:500-1:2000
Subcellular Localization	Cell membrane ; Multi-pass membrane protein.
Tissue Specificity	Highly expressed in brain. Expressed in many tissues..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ABHB-19
Immunogen	A synthesized peptide derived from human GLUT3
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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).

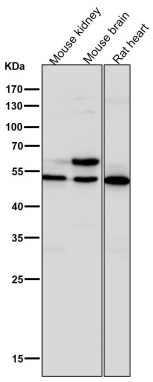
Cellular Location

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}

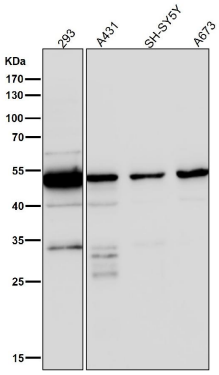
Tissue Location

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

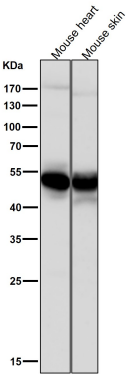
Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

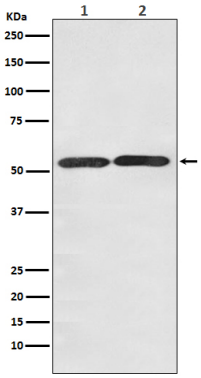


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

Western blot analysis of GLUT3 expression in (1) HepG2 cell lysate; (2) NIH/3T3 cell lysate.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.