

**Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody**  
Catalog # ABO13806**Specification****Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P11169</a>
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.

**Anti-GLUT3 SLC2A3 Rabbit Monoclonal 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 ([HGNC:11007](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11007))

**Calculated MW**

53924 MW KDa

**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..

**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.

**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.**

## **Anti-GLUT3 SLC2A3 Rabbit Monoclonal 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**

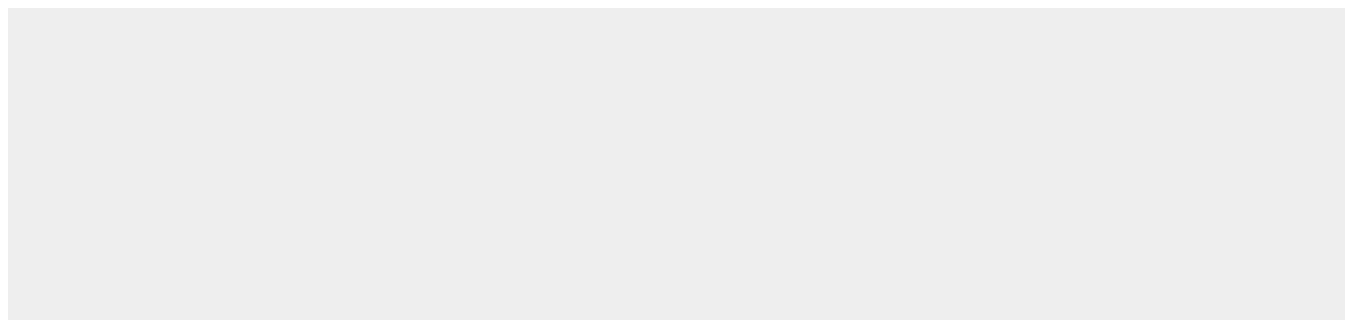
Highly expressed in brain (PubMed:8457197). Expressed in many tissues.

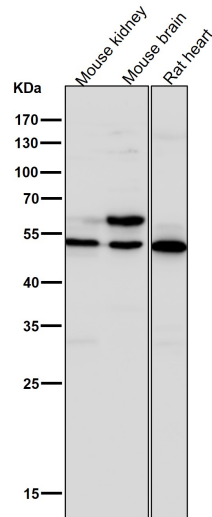
## **Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

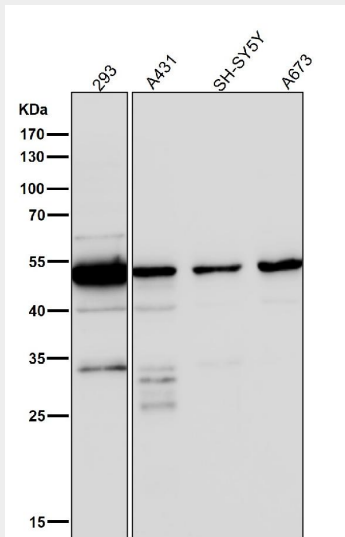
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Images**

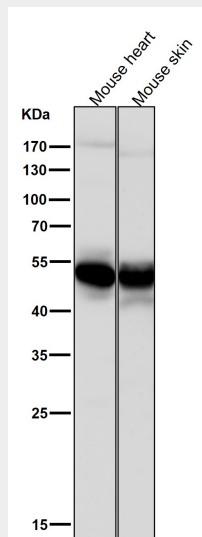




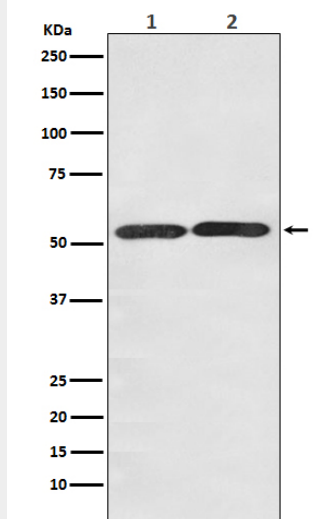
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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.