

**Glucose Transporter GLUT1 Rabbit mAb**  
Catalog # AP76906**Specification****Glucose Transporter GLUT1 Rabbit mAb - Product Information**

Application	WB, IHC-P, FC, ICC
Primary Accession	<a href="#">P11166</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	54084

**Glucose Transporter GLUT1 Rabbit mAb - Additional Information**

Gene ID 6513

**Other Names**

SLC2A1

**Format**

Liquid

**Glucose Transporter GLUT1 Rabbit mAb - Protein Information**Name SLC2A1 ([HGNC:11005](#))**Function**

Facilitative glucose transporter, which is responsible for constitutive or basal glucose uptake (PubMed: [10227690](http://www.uniprot.org/citations/10227690), PubMed: [10954735](http://www.uniprot.org/citations/10954735), PubMed: [18245775](http://www.uniprot.org/citations/18245775), PubMed: [19449892](http://www.uniprot.org/citations/19449892), PubMed: [25982116](http://www.uniprot.org/citations/25982116), PubMed: [27078104](http://www.uniprot.org/citations/27078104), PubMed: [32860739](http://www.uniprot.org/citations/32860739)). Has a very broad substrate specificity; can transport a wide range of aldoses including both pentoses and hexoses (PubMed: [18245775](http://www.uniprot.org/citations/18245775), PubMed: [19449892](http://www.uniprot.org/citations/19449892)). Most important energy carrier of the brain: present at the blood-brain barrier and assures the energy- independent, facilitative transport of glucose into the brain (PubMed: [10227690](http://www.uniprot.org/citations/10227690)). In association with BSG and NXNL1, promotes retinal cone survival by increasing glucose uptake into photoreceptors (By similarity). Required for mesendoderm differentiation (By similarity).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Melanosome. Photoreceptor inner segment {ECO:0000250|UniProtKB:P17809}. Note=Localizes primarily at the cell surface

(PubMed:18245775, PubMed:19449892, PubMed:23219802, PubMed:24847886, PubMed:25982116). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065)

**Tissue Location**

Detected in erythrocytes (at protein level). Expressed at variable levels in many human tissues

**Glucose Transporter GLUT1 Rabbit mAb - 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](#)

**Glucose Transporter GLUT1 Rabbit mAb - Images**