

## ARG41752 anti-GLUT1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GLUT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GLUT1
Species	Human
Immunogen	Synthetic peptide of Human GLUT1.
Conjugation	Un-conjugated
Alternate Names	DYT17; HepG2 glucose transporter; CSE; GLUT-1; GLUT; GLUT1DS; DYT18; HTLVR; PED; Glucose transporter type 1, erythrocyte/brain; DYT9; EIG12; GLUT1; Solute carrier family 2, facilitated glucose transporter member 1

### Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 47 kDa	

### Properties

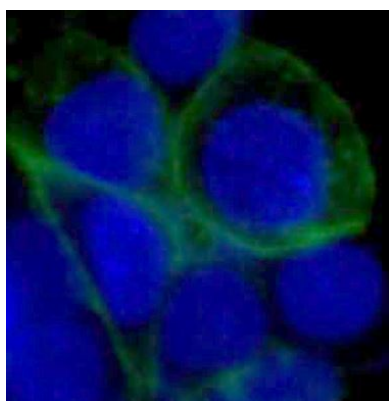
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

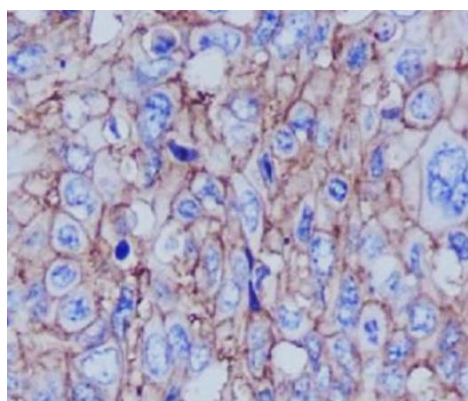
Gene Symbol	SLC2A1
Gene Full Name	solute carrier family 2 (facilitated glucose transporter), member 1
Background	This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. [provided by RefSeq, Apr 2013]
Function	Facilitative glucose transporter. This isoform may be responsible for constitutive or basal glucose uptake. Has a very broad substrate specificity; can transport a wide range of aldoses including both pentoses and hexoses. [UniProt]
Calculated Mw	54 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. Melanosome. Note=Localizes primarily at the cell surface. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [UniProt]

## Images



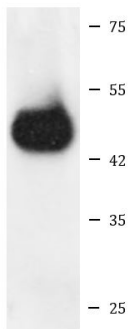
ARG41752 anti-GLUT1 antibody ICC/IF image

Immunofluorescence: HepG2 cells stained with ARG41752 anti-GLUT1 antibody (green). Nuclear staining (blue).



ARG41752 anti-GLUT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cervix cancer tissue stained with ARG41752 anti-GLUT1 antibody.



HepG2

#### ARG41752 anti-GLUT1 antibody WB image

Western blot: HepG2 cell lysate stained with ARG41752 anti-GLUT1 antibody at 1:500 dilution.