

ARG10781 anti-GLUT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GLUT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-FoFr, IHC-Fr, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GLUT1
Species	Human
Immunogen	KLH-conjugated synthetic peptide around aa. 478-492 of Human GLUT-1. (PEELFHPLGADSQV)
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
	ELISA	1:12000
	ICC/IF	1:50 - 1:200
	IHC-FoFr	1:50 - 1:200
	IHC-Fr	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:200
	WB	1:5000
	Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

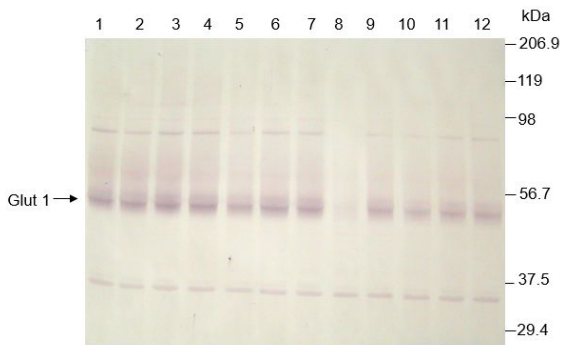
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide

Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.75 mg/ml
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

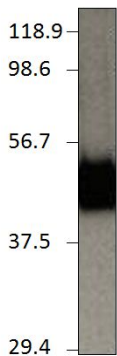
Gene Symbol	SLC2A1
Gene Full Name	solute carrier family 2 (facilitated glucose transporter), member 1
Background	This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function 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

Images



ARG10781 anti-GLUT1 antibody WB image

Western blot: 10 µg of Rat brain cortical extracts on 10% SDS-PAGE. Lane 1, 4, 7, 10) untreated for 21 months, Lane 2, 5, 8, 11) Saline treated for 21 months, and Lane 3, 6, 9, 12) CB treated for 21 months. The blots were stained with ARG10781 anti-GLUT1 antibody at 1:2000 dilution (2 hours at RT).



ARG10781 anti-GLUT1 antibody WB image

Western blot: Recombinant GLUT-1 protein stained with ARG10781 anti-GLUT1 antibody at 1:2000 dilution.