

## GLUT1 Antibody

Catalog No: #33392

Package Size: #33392-1 50ul #33392-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

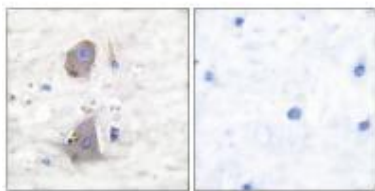
Product Name	GLUT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total GLUT1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GLUT1.
Target Name	GLUT1
Other Names	ERYTHROCYTE/HEPATOMA GLUCOSE TRANSPORTER; GLUCOSE TRANSPORTER 1;
Accession No.	Swiss-Prot: P11166NCBI Gene ID: 6513
Uniprot	P11166
GeneID	6513;
SDS-PAGE MW	55kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

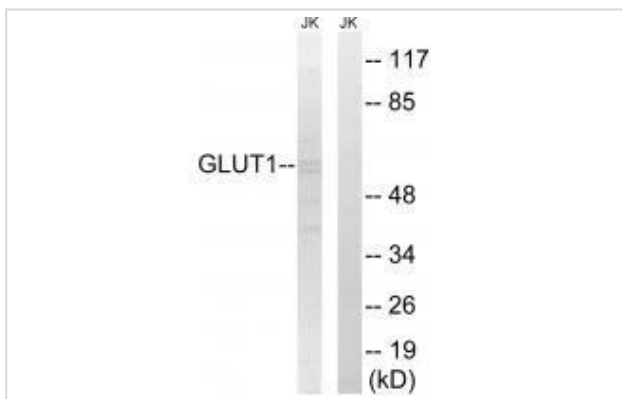
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

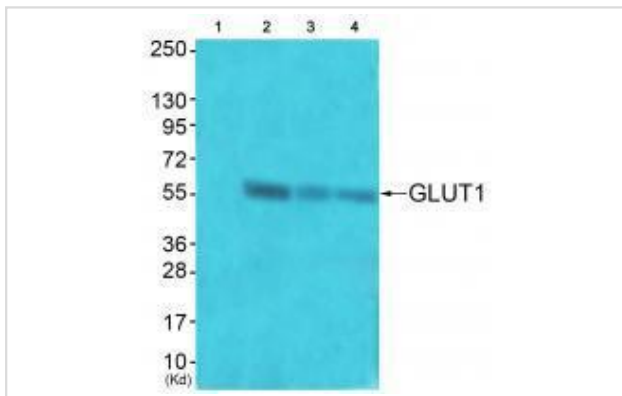
## Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using GLUT1 antibody #33392.



Western blot analysis of extracts from Jurkat cells, using GLUT1 antibody #33392.



Western blot analysis of extracts from JK cells (Lane 2), COS7 cells (Lane 3) and HuvEc cells (Lane 4), using GLUT1 antibody #33392. The lane on the left is treated with synthesized peptide.

## Background

Facilitative glucose transporter. This isoform maybe 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.

Dong Wang, Hum. Mol. Genet., Apr 2006; 15: 1169 - 1179.

Nezha Samih, Endocrinology, Nov 2000; 141: 4146.

Charles W. Heilig, Am J Physiol Renal Physiol, Apr 2001; 280: 657.

Bess Adkins Marshall, Am J Physiol Endocrinol Metab, Feb 1999; 276: E390 - E400.

Note: This product is for in vitro research use only