

For Research Use Only

# GLUT1 Recombinant antibody

Catalog Number: 81463-1-RR **1 Publications**



## Basic Information

<b>Catalog Number:</b> 81463-1-RR	<b>GenBank Accession Number:</b> BC121804	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6513	<b>CloneNo.:</b> 6F14
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11166	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 2 (facilitated glucose transporter), member 1	
<b>Immunogen Catalog Number:</b> AG16282	<b>Calculated MW:</b> 492 aa, 54 kDa	
	<b>Observed MW:</b> 45-55 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: unboiled HEK-293 cells, HeLa cells (incubated at 37°C)
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

GLUT1, also known as SLC2A1, is a ubiquitously expressed glucose transporter and is responsible for the basal level of glucose uptake in most cell types. Human erythrocytes express the highest level of GLUT1. Defects in SLC2A1 are the cause of GLUT1 deficiency syndrome type 1 and type 2. High expression of GLUT1 has been reported to be a reliable immunohistochemical marker for juvenile hemangiomas. GLUT1 protein may appear as two or more distinct forms among 43 kDa to 55 kDa due to the different glycosylation states. And the conversion of the highly glycosylated form of GLUT1 to a less glycosylated form has been reported to correlate with differentiation (PMID: 8263524, 23302780).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiajin Li	37311977	Br J Cancer	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

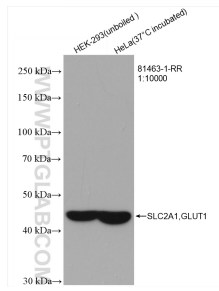
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81463-1-RR (SLC2A1, GLUT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.