# **Elabscience**®

# **GLUT-1** Polyclonal Antibody

### catalog number: E-AB-70090

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse GLUT1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein
	protectant and 50% glycerol.

Applications	Recommended Dilution
IHC	1:200-1:600
Data	





Immunohistochemistry analysis of paraffin-embedded human Immunohistochemistry analysis of paraffin-embedded Mouse brain using GLUT-1 Polyclonal Antibody at dilution of brain using GLUT-1 Polyclonal Antibody at dilution of 1:300.



1:300.

Immunohistochemistry analysis of paraffin-embedded Rat brain using GLUT-1 Polyclonal Antibody at dilution of

1:300.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

#### Background

## For Research Use Only

Toll-free: 1-888-852-8623 Web:www.elabscience.com

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GLUT1,also known as SLC2A1,is an ubiquitously expressed glucose transporter and responsible for the basal level of glucose uptake in most cell types. Human erythrocytes express the highest level of the 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 state. And the conversion of highly glycosylated form of GLUT1 to less glycosylated form has been reported to correlate to differentiation. (8263524,23302780)

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