

Code No. 18901

**Anti-Human  
GLUT-1 Rabbit IgG Affinity Purify**

Volume : 100 µg

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**GLUT: Glucose Transporter**

**Introduction** : Mammalian cells transport glucose through a family of membrane proteins known as glucose transporters (GLUTs or SLC2A family). Mammalian tissues are known to express different glucose transporter isoforms (existing at least GLUTs 1-13) in different tissues. The molecular weights are 40-60 kDa, respectively.

GLUT-1 has a high affinity with glucose (Km 1-5 mM) and mediates glucose transport into red cells, and throughout the blood brain barrier. It is ubiquitously expressed and transport glucose in most cells, such as red cells, embryo tissues, brain, kidney or tumor cells.

**Antigen** : Synthetic peptide of the C terminal part of Human GLUT-1 (SDKTPEELFHPLGADSQV)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from PBS containing 1 % BSA and 0.05% NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues without pretreatment, by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is about 1 µg/mL, however, the concentration should be optimized by each laboratory.

: This antibody can be used for western blotting in concentration is about 1 µg /mL.

**Specificity** : Confirmed by western blotting using transfectant cells.

**Reference** : 1. Maher F, Vannucci SJ, Simpson IA. Glucose transporter proteins in brain. *FASEB J.* 1994 Oct;8(13):1003-11. Review.

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*For research use only, not for use in diagnostic procedures.*

Code No. 18901

**Anti-Human  
GLUT-1 Rabbit IgG Affinity Purify**

Volume : 10 µg

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**Antigen** : Synthetic peptide of the C terminal part of Human GLUT-1 (SDKTPEELFHPLGADSQV)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from PBS containing 1 % BSA and 0.05% NaN<sub>3</sub>

**How to use** : 0.1 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues without pretreatment, by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is about 1 µg/mL, however, the concentration should be optimized by each laboratory.

: This antibody can be used for western blotting in concentration is about 1 µg /mL.

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