

Code No. 18903

**Anti-Human  
GLUT-3 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 weight are 40-60 kDa, respectively. GLUT-3 has a high affinity with glucose (Km 1 -5 mM) and is the main transporter in brain (neurons).

**Antigen** : Synthetic peptide of the C terminal part of human GLUT-3 (SGKDGVMEMNSIEPAKETT)

**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 any pretreatment by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is 2-5 µg/mL, however, the concentration should be optimized by each laboratory.  
: This antibody can be used for western blotting in concentration of 1 - 5 µg /mL.

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

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

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