

## GLUT3 polyclonal antibody

Catalog: BS90584

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. Glut1, Glut3 and Glut4 are high-affinity transporters, whereas Glut2 is a low-affinity transporter. In adipose and muscle tissue, Insulin stimulates a rapid and dramatic increase in glucose uptake, largely due to the redistribution of the Insulin-inducible glucose transporter, Glut4. In response to Insulin, Glut4 is quickly shuttled from an intracellular storage site to the plasma membrane, where it binds glucose. In contrast, the ubiquitously expressed glucose transporter Glut1 is constitutively targeted to the plasma membrane and shows a much less dramatic translocation in response to Insulin. Glut2 expression is seen in pancreatic b cells, hepatocytes and basolateral membranes of intestinal and epithelial cells, while the highest expression of Glut3 has been found in neuronal tissue.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

54 kDa

### Swiss-Prot:

P11169(Human) P32037(Mouse) Q07647(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

FC:1:50-1:100

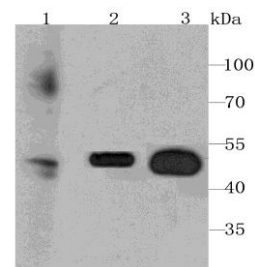
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

GLUT3 polyclonal antibody detects endogenous levels of GLUT3 protein.

### DATA:

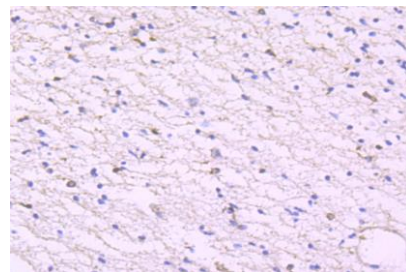


Western blot analysis of Glucose Transporter GLUT3 on different cell lysate using anti-Glucose Transporter GLUT3 antibody at 1/1,000 dilution. Positive control:

Lane1: Human lung

Lane2: HepG2

Lane3: Mouse heart



Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-Glucose Transporter GLUT3 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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