bs-22374R **[Primary Antibody]**

GLUT3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6515 **SWISS:** P11169

Target: GLUT3

Immunogen: KLH conjugated synthetic peptide derived from human GLUT3 : 401-496/496. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: May act as a glucose transporter in neurons; may mediate increasd glucose uptake in response to neuronal injury. Glucose is fundamental to the metabolism of mammalian cells. Several glucose transporter protein (Glut) isoforms have been identified and shown to function in response to insulin and IGF1 induced signaling. GLUT3 is detectable in a few normal cell type spermatids in testis with active spermatogenesis, placental trophoblast membranes, and neurons in brain. GLUT3 staining is also detectable in human cancers including those of the ovary, lung, and testis. Alternative names: FLJ90380; Glucose Transporter Type 3; Glucose transporter type 3 brain; GLUT 3; GLUT3; SLC2A3; Solute Carrier Family 2 (Facilitated Glucose Transporter) Member 3.

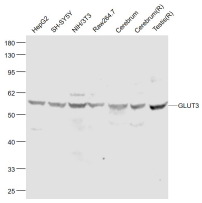
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW.: 54 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug SH-SY5Y(Human) Cell Lysate at 30 ug NIH/3T3(Mouse) Cell Lysate at 30 ug Raw264.7(Mouse) Cell Lysate at 30 ug Cerebrum(Mouse) Lysate at 40 ug Cerebrum(Rat) Lysate at 40 ug Testis(Rat) Lysate at 40 ug Primary: Anti-GLUT3 (bs-22374R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54/60 kD Observed band size: 60 kD

SELECTED CITATIONS

- **[IF=6.048]** Changhao Jia. et al. Apigenin sensitizes radiotherapy of mouse subcutaneous glioma through attenuations of cell stemness and DNA damage repair by inhibiting NF-κB/HIF-1α-mediated glycolysis. J NUTR BIOCHEM. 2022 May;:109038 WB ;Human. 35533901