bs-13388R **[Primary Antibody]**

GLUT6 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 11182 **SWISS:** Q9UGQ3

Target: GLUT6

Immunogen: KLH conjugated synthetic peptide derived from human GLUT6: 201-300/507.

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: The oxidation of glucose functions as the dominant source of metabolic energy for mammals. The plasma membrane is impermeable to glucose, so the cellular uptake of this important nutrient is achieved by facultative hexose transproters (Gluts). Gluts are integral membrane proteins that transport glucose and related hexoses. Glucose binds to a Glut on one side of the membrane which provokes a conformational change causing it to release glucose to the other side. Members of the Glut family may enhance the metabolic activity of tumor cells. Glut6 is part of the third out of three classes of Gluts. Glut6 is mainly expressed in the brain, spleen and peripheral leukocytes. It appears to be regulated by subcellular redistribution, because it is targeted to intracellular compartments by di-leucine motifs, recycling itself in a Dynamin-dependent manner.

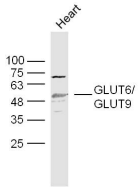
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human)

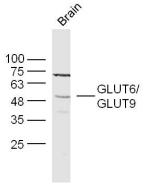
Predicted MW.: 55 kDa

Subcellular Location: Cell membrane

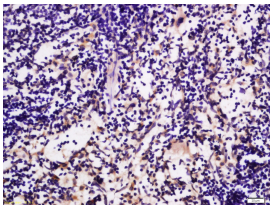
VALIDATION IMAGES



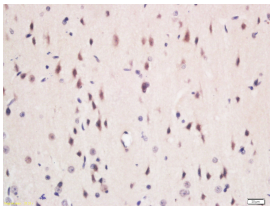
Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- GLUT6'GLUT9 (bs-13388R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55kD Observed band size: 55kD



Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti- GLUT6'GLUT9 (bs-13388R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55kD Observed band size: 55kD



Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GLUT6 Polyclonal Antibody, Unconjugated(bs-13388R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4%

Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GLUT6 Polyclonal Antibody, Unconjugated(bs-13388R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=4.073]** Le Y et al. Anti-Hyperuricemic Effects of Astaxanthin by Regulating Xanthine Oxidase, Adenosine Deaminase and Urate Transporters in RatsMar Drugs.2020 Dec 1;18(12):610. WB ;Rat. 33271765
- **[IF=2.76]** Zhu, Liran, et al. "Saponins extracted from Dioscorea collettii rhizomes regulate the expression of urate transporters in chronic hyperuricemia rats." Biomedicine & Pharmacotherapy 93 (2017): 88-94. IHC ;="Rat". 28624426
- **[IF=3.309]** Chuandong Cheng. et al. SREBP2/Rab11s/GLUT1/6 network regulates proliferation and migration of glioblastoma. PATHOL RES PRACT. 2022 Oct;:154176 IHC,WB ;Human. 36327817
- **[IF=1.585]** Pang et al. Gypenosides Inhibits Xanthine Oxidoreductase and Ameliorates Urate Excretion in Hyperuricemic Rats Induced by High Cholesterol and High Fat Food (Lipid Emulsion). (2017) Med.Sci.Monit. 23:1129-1140 IHC ;Rat. 28258276