bs-4241R **[Primary Antibody]**

GLUT8 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: 29988 **SWISS:** Q9NY64

Target: GLUT8

Immunogen: KLH conjugated synthetic peptide derived from human GLUT8: 221-320/477. < Extracellular >

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: Glucose transporter 8 is an insulin-regulated facilitative glucose transporter. It binds cytochalasin B in a glucose-inhibitable manner. It appears to be a dual-specific sugar transporter as it can be inhibited by fructose. It is highly expressed in testis, where it is down-regulated by estrogen, but not in testicular carcinoma. Lower amounts are present in most other tissues.

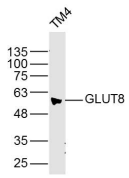
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Mouse, Rat
(predicted: Human)

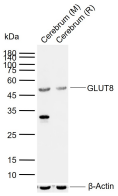
Predicted MW.: 52 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: TM4 Cell (Mouse) Lysate at 40 ug Primary: Anti- GLUT8 (bs-4241R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-GLUT8 (bs-4241R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kDa Observed band size: 52 kDa

SELECTED CITATIONS

- **[IF=4.556]** Yoichi Chiba. et al. Glucose, Fructose, and Urate Transporters in the Choroid Plexus Epithelium. Int J Mol Sci. 2020 Jan;21(19):7230 IHC ;Human. 33008107
- **[IF=3.584]** Lin, Guan-Yu. et al. Altered glucose metabolism and its association with carbonic anhydrase 8 in Machado-Joseph Disease. METAB BRAIN DIS. 2022 Apr;:1-18 IHC ;Mouse. 35488942
- **[IF=4.1]** Allison Campolo. et al. Diabetes Causes Significant Alterations in Pulmonary Glucose Transporter Expression. METABOLITES. 2024 May;14(5):267 WB ;Mouse. 38786744
- **[IF=4.232]** Paweł Jan Stanirowski. et al. Placental expression of glucose transporters GLUT-1, GLUT-3, GLUT-8 and GLUT-12 in pregnancies complicated by gestational and type 1 diabetes mellitus.. 2021 Sep 23 IHC ;human. 34555239
- **[IF=3.5]** MA Rui. et al. The glucose metabolism reprogramming of yak Sertoli cells under hypoxia is regulated by autophagy. BMC GENOMICS. 2025 Dec;26(1):1-18 IF,WB ;Yak. 40251498