

**bs-20173R****[ Primary Antibody ]****GLUT1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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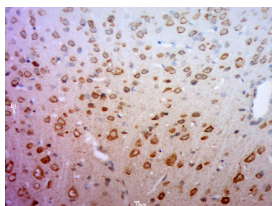
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 6513	<b>SWISS:</b> P11166	
<b>Target:</b> GLUT1		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GLUT1: 401-492/492.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 54 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Extracellular matrix ,Cell membrane
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> This gene encodes a major glucose transporter in the mammalian blood-brain barrier. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. [provided by RefSeq, Jul 2008].		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucose transporter type 1; GLUT1) Polyclonal Antibody, Unconjugated (bs-20173R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Hu Yile. et al. L-arginine combination with 5-fluorouracil inhibit hepatocellular carcinoma cells through suppressing iNOS/NO/AKT-mediated glycolysis. FRONT PHARMACOL. 2024 May;15: IF,IHC ;Rat,Human. 38841361
- **[IF=5.62]** Ying-Ying Yang. et al. The human islet amyloid polypeptide reduces hippocampal tauopathy and behavioral impairments in P301S mice without inducing neurotoxicity or seeding amyloid aggregation. EXP NEUROL. 2023 Apr;362:114346 WB,IHC ;Mouse. 36750170
- **[IF=4.362]** Gao X et al. Effects of Clostridium perfringens beta2 toxin on apoptosis, inflammation, and barrier function of intestinal porcine epithelial cells. Microb Pathog. 2020 Oct;147:104379. WB,IHC ;Mouse. 32973490
- **[IF=4.362]** Zhang Yan-hui. et al.  $\alpha$ -Lipoic Acid Maintains Brain Glucose Metabolism via BDNF/TrkB/HIF-1 $\alpha$  Signaling Pathway in P301S Mice. Front Aging Neurosci. 2020 Aug;12:262 WB ;Mouse. 32973490
- **[IF=3.871]** Pengli Wang. et al. The AT1 receptor autoantibody causes hypoglycemia in fetal rats via promoting the

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STT3A-GLUT1-glucose uptake axis in liver. Mol Cell Endocrinol. 2020 Dec;518:111022 WB,IF,IHC ;Rat. 32871226