### bs-20173R

## [ Primary Antibody ]

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# – DATASHEET -

**Host:** Rabbit **Isotype:** IgG

Clonality: Polyclonal

**GLUT1 Rabbit pAb** 

**GenelD:** 6513 **SWISS:** P11166

Target: GLUT1

**Immunogen:** KLH conjugated synthetic peptide derived from human GLUT1:

401-492/492.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS,

pH1.4.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** 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].

**Applications: IHC-P** (1:100-500)

IHC-F (1:100-500) IF (1:100-500)

Reactivity: Rat (predicted: Human,

Mouse, Pig, Sheep, Cow,

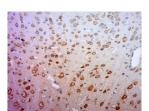
Dog)

Predicted MW.: 54 kDa

Subcellular Extracellular matrix, Cell

Location: membrane

#### 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. α-Lipoic Acid Maintains Brain Glucose Metabolism via BDNF/TrkB/HIF-1α 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

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