

GLUT1 Recombinant Rabbit mAb

Catalog Number: bsm-52240R

Target Protein: GLUT1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 2D5

Isotype: IgG

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

Reactivity: Human, Mouse, Rat

Predicted MW: 54 kDa

Entrez Gene: 6513

Swiss Prot: P11166

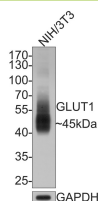
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

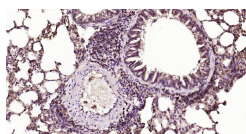
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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].

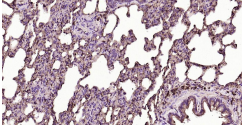
VALIDATION IMAGES



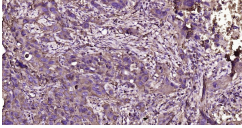
Western blot analysis of Glucose Transporter GLUT1 on NIH/3T3 cell lysates with Rabbit anti-Glucose Transporter GLUT1 antibody (bsm-52240R) at 1/500 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 54 kDa Observed band size: 45 kDa Exposure time: 2 minutes; 10% SDS-PAGE gel.



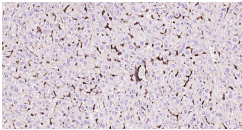
Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLUT1 Monoclonal Antibody, Unconjugated (bsm-52240R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



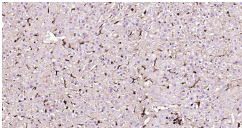
Paraformaldehyde-fixed, paraffin embedded Rat Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLUT1 Monoclonal Antibody, Unconjugated (bsm-52240R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLUT1 Monoclonal Antibody, Unconjugated (bsm-52240R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLUT1 Monoclonal Antibody, Unconjugated (bsm-52240R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLUT1 Monoclonal Antibody, Unconjugated (bsm-52240R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.153] Shuaijun Lu. et al. Nanoengineering a Zeolitic Imidazolate Framework-8 Capable of Manipulating Energy Metabolism against Cancer Chemo-Phototherapy Resistance. *SMALL*. 2022 Oct;;2204926 **WB** ; **Mouse, Human** . 36260824

[IF=13.3] Yu Zhang. et al. A metabolic intervention strategy for enhanced ferroptosis/cuproptosis activation and boosted anti-tumor immunity. *CHEM ENG J*. 2024 Oct;;156732 **IF** ; **Mouse** . 10.1016/j.cej.2024.156732

[IF=10.6] Zhang Xiaodian. et al. A metal-organic nanoframework for efficient colorectal cancer immunotherapy by the cGAS-STING pathway activation and immune checkpoint blockade. *J NANOBIOTECHNOL*. 2024 Dec;22(1):1-20 **WB** ; **Mouse** . 39343911