

Resource Summary Report

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Glucose Transporter GLUT1 antibody [SPM498]

RRID:AB_2190927

Type: Antibody

Proper Citation

Abcam Cat# ab40084, RRID:AB_2190927

Antibody Information

URL: http://antibodyregistry.org/AB_2190927

Proper Citation: Abcam Cat# ab40084, RRID:AB_2190927

Target Antigen: Slc2a1

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012:western blot, immunohistochemistry, immunocytochemistry

Antibody Name: Glucose Transporter GLUT1 antibody [SPM498]

Description: This monoclonal targets Slc2a1

Target Organism: mouse, human

Antibody ID: AB_2190927

Vendor: Abcam

Catalog Number: ab40084

Record Creation Time: 20250820T003041+0000

Record Last Update: 20250820T082741+0000

Ratings and Alerts

- Used by Campbell-Thompson for paraffin and fresh frozen staining protocols for human pancreatic islets. - Campbell-Thompson et al, 2012

No alerts have been found for Glucose Transporter GLUT1 antibody [SPM498].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Nolan ND, et al. (2024) CRISPR editing of anti-anemia drug target rescues independent preclinical models of retinitis pigmentosa. *Cell reports. Medicine*, 5(4), 101459.

Ramalho T, et al. (2024) Itaconate impairs immune control of Plasmodium by enhancing mtDNA-mediated PD-L1 expression in monocyte-derived dendritic cells. *Cell metabolism*, 36(3), 484.

Edler MK, et al. (2023) The association of astrogliosis and microglial activation with aging and Alzheimer's disease pathology in the chimpanzee brain. *Journal of neuroscience research*, 101(6), 881.

Pan SM, et al. (2022) Thioredoxin interacting protein drives astrocytic glucose hypometabolism in corticosterone-induced depressive state. *Journal of neurochemistry*, 161(1), 84.

Le TNU, et al. (2022) Mfsd2b and Spns2 are essential for maintenance of blood vessels during development and in anaphylactic shock. *Cell reports*, 40(7), 111208.

Pediaditakis I, et al. (2022) A microengineered Brain-Chip to model neuroinflammation in humans. *iScience*, 25(8), 104813.

Munger EL, et al. (2022) Comparative analysis of astrocytes in the prefrontal cortex of primates: Insights into the evolution of human brain energetics. *The Journal of comparative neurology*, 530(18), 3106.

Bhowmick S, et al. (2021) Intercellular Adhesion Molecule-1-Induced Posttraumatic Brain Injury Neuropathology in the Prefrontal Cortex and Hippocampus Leads to Sensorimotor Function Deficits and Psychological Stress. *eNeuro*, 8(4).

Khawaja RR, et al. (2021) GluA2 overexpression in oligodendrocyte progenitors promotes postinjury oligodendrocyte regeneration. *Cell reports*, 35(7), 109147.

Zhang L, et al. (2020) Generation of Functional Brown Adipocytes from Human Pluripotent Stem Cells via Progression through a Paraxial Mesoderm State. *Cell stem cell*, 27(5), 784.

Sifat AE, et al. (2020) Prenatal electronic cigarette exposure decreases brain glucose utilization and worsens outcome in offspring hypoxic-ischemic brain injury. *Journal of*

neurochemistry, 153(1), 63.

Reckzeh ES, et al. (2019) Inhibition of Glucose Transporters and Glutaminase Synergistically Impairs Tumor Cell Growth. *Cell chemical biology*, 26(9), 1214.

Chan K, et al. (2019) eIF4A supports an oncogenic translation program in pancreatic ductal adenocarcinoma. *Nature communications*, 10(1), 5151.

Mong EF, et al. (2018) Modulation of LIN28B/Let-7 Signaling by Propranolol Contributes to Infantile Hemangioma Involution. *Arteriosclerosis, thrombosis, and vascular biology*, 38(6), 1321.

Sifat AE, et al. (2018) Nicotine and electronic cigarette (E-Cig) exposure decreases brain glucose utilization in ischemic stroke. *Journal of neurochemistry*, 147(2), 204.

Wu J, et al. (2017) Ablation of Transcription Factor IRF4 Promotes Transplant Acceptance by Driving Allogenic CD4⁺ T Cell Dysfunction. *Immunity*, 47(6), 1114.

Kalyan-Masih P, et al. (2016) Western High-Fat Diet Consumption during Adolescence Increases Susceptibility to Traumatic Stress while Selectively Disrupting Hippocampal and Ventricular Volumes. *eNeuro*, 3(5).