Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 11, 2025

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: 20241016T224541+0000

Record Last Update: 20241016T232807+0000

Ratings and Alerts

- Used by Campbell-Thompson for paraffin and fresh frozen staining protocols for human pancreatic islets. - Campbell-Thompson et al, 2012 https://dx.doi.org/10.3791/4068

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

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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).

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).

Bell JR, et al. (2015) Myocardial and cardiomyocyte stress resilience is enhanced in aromatase-deficient female mouse hearts through CaMKII? activation. Endocrinology, 156(4), 1429.