Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 22, 2025

Glucose Transporter GLUT1 antibody [EPR3915]

RRID:AB_10903230
Type: Antibody

Proper Citation

(Abcam Cat# ab115730, RRID:AB_10903230)

Antibody Information

URL: http://antibodyregistry.org/AB_10903230

Proper Citation: (Abcam Cat# ab115730, RRID:AB_10903230)

Target Antigen: Glucose Transporter GLUT1 antibody [EPR3915]

Host Organism: rabbit

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunohistochemistry - fixed; Western Blot; Flow Cytometry; Immunohistochemistry; Flow Cyt, ICC, IHC-P, WB

Antibody Name: Glucose Transporter GLUT1 antibody [EPR3915]

Description: This monoclonal targets Glucose Transporter GLUT1 antibody [EPR3915]

Target Organism: rat, mouse, human

Antibody ID: AB_10903230

Vendor: Abcam

Catalog Number: ab115730

Record Creation Time: 20241016T222916+0000

Record Last Update: 20241016T225836+0000

Ratings and Alerts

- Human colon Whole Mount technique staining in Myenteric plexus in Soma was negative for immunostaining. Human colon Whole Mount technique staining in Myenteric plexus in Fibers shows strong immunostaining. Data provided by Brookes lab. - Brookes et al. (2022) via SPARC https://sparc.science/resources/7Mlidjv3RIVrQ11hpBC8PK

No alerts have been found for Glucose Transporter GLUT1 antibody [EPR3915].

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Zhang K, et al. (2024) Glucose restriction enhances oxidative fiber formation: A multi-omic signal network involving AMPK and CaMK2. iScience, 27(1), 108590.

Boufaied N, et al. (2024) Obesogenic High-Fat Diet and MYC Cooperate to Promote Lactate Accumulation and Tumor Microenvironment Remodeling in Prostate Cancer. Cancer research, 84(11), 1834.

Huang Y, et al. (2024) Inhibition of CD38 enzymatic activity enhances CAR-T cell immune-therapeutic efficacy by repressing glycolytic metabolism. Cell reports. Medicine, 5(2), 101400.

Lu J, et al. (2023) Five inhibitory receptors display distinct vesicular distributions in T cells. bioRxiv : the preprint server for biology.

Ji X, et al. (2023) Genetic activation of glycolysis in osteoblasts preserves bone mass in type I diabetes. Cell chemical biology, 30(9), 1053.

Desai JV, et al. (2023) C5a-licensed phagocytes drive sterilizing immunity during systemic fungal infection. Cell, 186(13), 2802.

Cero C, et al. (2023) Standardized In Vitro Models of Human Adipose Tissue Reveal Metabolic Flexibility in Brown Adipocyte Thermogenesis. Endocrinology, 164(12).

Juras JA, et al. (2023) In situ microwave fixation provides an instantaneous snapshot of the brain metabolome. Cell reports methods, 3(4), 100455.

Gambardella J, et al. (2023) Experimental evidence and clinical implications of Warburg

effect in the skeletal muscle of Fabry disease. iScience, 26(3), 106074.

Zeng Q, et al. (2023) Spleen fibroblastic reticular cell-derived acetylcholine promotes lipid metabolism to drive autoreactive B cell responses. Cell metabolism, 35(5), 837.

Sha L, et al. (2023) LHPP-mediated inorganic pyrophosphate hydrolysis-driven lysosomal acidification in astrocytes regulates adult neurogenesis. Cell reports, 42(8), 112975.

Barrett MR, et al. (2023) Conditioning-induced expression of novel glucose transporters in canine skeletal muscle homogenate. PloS one, 18(5), e0285424.

Zhang X, et al. (2023) Transcriptional metabolic reprogramming implements meiotic fate decision in mouse testicular germ cells. Cell reports, 42(7), 112749.

Liu S, et al. (2023) A tissue injury sensing and repair pathway distinct from host pathogen defense. Cell, 186(10), 2127.

Wang H, et al. (2023) Premature aging and reduced cancer incidence associated with near-complete body-wide Myc inactivation. Cell reports, 42(8), 112830.

Lu J, et al. (2023) Five Inhibitory Receptors Display Distinct Vesicular Distributions in Murine T Cells. Cells, 12(21).

Qualls-Histed SJ, et al. (2023) Lysosomal trafficking of the glucose transporter GLUT1 requires sequential regulation by TXNIP and ubiquitin. iScience, 26(3), 106150.

Li Y, et al. (2023) Metabolic classification suggests the GLUT1/ALDOB/G6PD axis as a therapeutic target in chemotherapy-resistant pancreatic cancer. Cell reports. Medicine, 4(9), 101162.

Yamashita N, et al. (2023) MUC1-C integrates aerobic glycolysis with suppression of oxidative phosphorylation in triple-negative breast cancer stem cells. iScience, 26(11), 108168.

Li DD, et al. (2022) Fungal sensing enhances neutrophil metabolic fitness by regulating antifungal Glut1 activity. Cell host & microbe, 30(4), 530.