Resource Summary Report

Generated by PRECISE-TBI on Aug 10, 2026

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: 20250819T230507+0000

Record Last Update: 20250820T041452+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 62 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Lu Z, et al. (2026) Gut glucose assimilation governs glucose homeostasis through reciprocal interaction between glucose and amino acid transporter. Cell reports, 45(4), 117104.

An S, et al. (2026) Regulatory role of GLUT1 in lead-induced neurotoxicity and the neuroprotective effect of Morinda officinalis oligosaccharides. iScience, 29(4), 115342.

Power A, et al. (2026) Microenvironmental TGF-? is an early driver of NF1-associated tumor formation. Cell reports, 45(1), 116822.

Liu H, et al. (2026) Vaginal microbiota transfer ameliorates cesarean-associated neurodevelopmental deficits in mice via N-bc2S1P synthesis on neonatal skin. Cell host & microbe, 34(5), 942.

Adler D, et al. (2026) Activity-dependent protein synthesis in neurons requires microglial-metabolic coupling. Cell metabolism.

Philbrook P, et al. (2026) Medium-Chain Fatty Acid Receptor GPR84 Modulates Cytotoxic CD8 T-cell Antitumor Immunity through Metabolic Reprogramming. Cancer immunology research, 14(4), 640.

Daida T, et al. (2026) Glucose transporter 3 gene deficiency modifies Huntington's disease progression in zQ175 model mice. Experimental neurology, 400, 115700.

Lopez-Pajares V, et al. (2025) Glucose modulates IRF6 transcription factor dimerization to enable epidermal differentiation. Cell stem cell, 32(5), 795.

Zaidi Y, et al. (2025) Loss of neurofibromin induces inflammatory macrophage phenotypic switch and retinal neovascularization via GLUT1 activation. Cell reports, 44(5), 115625.

Qiu SQ, et al. (2025) GLUT1 as a generic biomarker enables near-infrared fluorescence molecular imaging guided precise intraoperative tumor detection in breast cancer. European journal of nuclear medicine and molecular imaging, 52(6), 2171.

Zhao Y, et al. (2025) High glucose induces osteoblasts ferroptosis via the TXNIP/Trx-1/GPX4 pathway in type 2 diabetic osteoporosis. European journal of medical research, 31(1), 163.

Choi SC, et al. (2025) Glycolysis inhibition functionally reprograms T follicular helper cells and reverses lupus. Cell reports, 44(12), 116600.

Omale S, et al. (2025) Assessment of distinct effects of Parinari curatellifolia Planch.ex Benth Ethanolic leaf extract on glucose transport in different cell types. PeerJ, 13, e20269.

Li X, et al. (2025) FABP4 as a Mediator of Lipid Metabolism and Pregnant Uterine Dysfunction in Obesity. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(25), e2501077.

Krauß D, et al. (2025) EGFR controls transcriptional and metabolic rewiring in KRASG12D colorectal cancer. EMBO molecular medicine, 17(6), 1355.

Valeros J, et al. (2025) Rhodoquinone carries electrons in the mammalian electron transport chain. Cell, 188(4), 1084.

Neuhaus M, et al. (2025) Sex- and depot-specific differences in cellular insulin responsiveness during adipose expansion. Life sciences, 375, 123743.

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.

Patritti-Cram J, et al. (2024) NF1-dependent disruption of the blood-nerve-barrier is improved by blockade of P2RY14. iScience, 27(7), 110294.