

Resource Summary Report

Generated by [RRID](#) on Jul 29, 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 54 mentions in open access literature.

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

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

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.

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

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

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.

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.

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.

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

Gambardella J, et al. (2023) Experimental evidence and clinical implications of Warburg effect in the skeletal muscle of Fabry disease. *iScience*, 26(3), 106074.

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

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

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

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.

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