

Resource Summary Report

Generated by [RRID](#) on Aug 8, 2026

Glucose Transporter GLUT4 antibody

RRID:AB_2191441

Type: Antibody

Proper Citation

Abcam Cat# ab33780, RRID:AB_2191441

Antibody Information

URL: http://antibodyregistry.org/AB_2191441

Proper Citation: Abcam Cat# ab33780, RRID:AB_2191441

Target Antigen: SLC2A4

Host Organism: rabbit

Clonality: polyclonal

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

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Glucose Transporter GLUT4 antibody

Description: This polyclonal targets SLC2A4

Target Organism: mouse, human

Antibody ID: AB_2191441

Vendor: Abcam

Catalog Number: ab33780

Record Creation Time: 20250820T025317+0000

Record Last Update: 20250820T144647+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Glucose Transporter GLUT4 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Yamanaka T, et al. (2025) Testosterone-induced metabolic changes in seminal vesicle epithelium modify seminal plasma components with potential to improve sperm motility. eLife, 13.

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.

Griesel BA, et al. (2024) PFKFB3 protein in adipose tissue contributes to whole body glucose homeostasis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(23), e70254.

O'Reilly ME, et al. (2024) linc-ADAIN, a human adipose lincRNA, regulates adipogenesis by modulating KLF5 and IL-8 mRNA stability. Cell reports, 43(5), 114240.

Cheng Z, et al. (2023) Intravoxel incoherent motion imaging used to assess tumor microvascular changes after transarterial chemoembolization in a rabbit VX2 liver tumor model. Frontiers in oncology, 13, 1114406.

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

Cornejo MA, et al. (2023) Simultaneous SGLT2 inhibition and caloric restriction improves insulin resistance and kidney function in OLETF rats. Molecular and cellular endocrinology, 560, 111811.

Griesel BA, et al. (2021) PFKFB3-dependent glucose metabolism regulates 3T3-L1 adipocyte development. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 35(7), e21728.