

Resource Summary Report

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Mouse Anti-O-Linked N-Acetylglucosamine Monoclonal Antibody, Unconjugated, Clone RL2

RRID:AB_303264

Type: Antibody

Proper Citation

(Abcam Cat# ab2739, RRID:AB_303264)

Antibody Information

URL: http://antibodyregistry.org/AB_303264

Proper Citation: (Abcam Cat# ab2739, RRID:AB_303264)

Target Antigen: O-Linked N-Acetylglucosamine

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunofluorescence; Immunoprecipitation; Western Blot; Dot Blot, Immunofluorescence, Immunoprecipitation, Western Blot

Antibody Name: Mouse Anti-O-Linked N-Acetylglucosamine Monoclonal Antibody, Unconjugated, Clone RL2

Description: This monoclonal targets O-Linked N-Acetylglucosamine

Clone ID: Clone RL2

Antibody ID: AB_303264

Vendor: Abcam

Catalog Number: ab2739

Record Creation Time: 20260218T232530+0000

Record Last Update: 20260225T234623+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-O-Linked N-Acetylglucosamine Monoclonal Antibody, Unconjugated, Clone RL2.

No alerts have been found for Mouse Anti-O-Linked N-Acetylglucosamine Monoclonal Antibody, Unconjugated, Clone RL2.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Zhou S, et al. (2025) Stabilization of RUNX1 Induced by O-GlcNAcylation Promotes PDGF-BB-Mediated Resistance to CDK4/6 Inhibitors in Breast Cancer. *Cancer research*, 85(9), 1708.

Zeng X, et al. (2025) PPAR γ is a potential therapeutic target for radiation enteritis via suppressing ferroptosis, mediated by the GAPDH/glycosylation axis. *British journal of pharmacology*, 182(17), 3994.

Jia L, et al. (2025) Upregulation of Protein O-GlcNAcylation Levels Promotes Zebrafish Fin Regeneration. *Molecular & cellular proteomics : MCP*, 24(4), 100936.

Tatekoshi Y, et al. (2025) Protein O-GlcNAcylation and hexokinase mitochondrial dissociation drive heart failure with preserved ejection fraction. *Cell metabolism*, 37(7), 1584.

Qiu S, et al. (2025) A pathological role of O-GlcNAcylation-driven TR11B production and function in lung adenocarcinoma. *Developmental cell*.

He X, et al. (2025) PI3K γ functions as a protein kinase to promote cellular protein O-GlcNAcylation and acetyl-CoA production for tumor growth. *Molecular cell*, 85(7), 1411.

Li L, et al. (2025) Paracrine stimulation of brown adipose tissue vascularization by adipocyte O-GlcNAc signaling. *Cell reports*, 44(12), 116678.

Mody AC, et al. (2025) Targeted protein O-GlcNAc reveals transcriptional functions for O-GlcNAc. *Cell chemical biology*, 32(12), 1486.

Yu SB, et al. (2024) Neuronal activity-driven O-GlcNAcylation promotes mitochondrial plasticity. *Developmental cell*, 59(16), 2143.

Xu T, et al. (2024) Post-acute ischemic stroke hyperglycemia aggravates destruction of the blood-brain barrier. *Neural regeneration research*, 19(6), 1344.

Kramer J, et al. (2024) Impact of O -GlcNAcylation elevation on mitophagy and glia in the dentate gyrus. *bioRxiv : the preprint server for biology*.

Dong W, et al. (2024) O-GlcNAc Modification Is a Promising Therapeutic Target for Diabetic Retinopathy. *International journal of molecular sciences*, 25(11).

Yang S, et al. (2023) Metabolic enzyme UAP1 mediates IRF3 pyrophosphorylation to facilitate innate immune response. *Molecular cell*, 83(2), 298.

Wulff-Fuentes E, et al. (2023) O-GlcNAcylation regulates OTX2's proteostasis. *iScience*, 26(11), 108184.

Shan X, et al. (2023) Identification of a diketopiperazine-based O-GlcNAc transferase inhibitor sensitizing hepatocellular carcinoma to CDK9 inhibition. *The FEBS journal*.

Zhao M, et al. (2022) Epithelial STAT6 O-GlcNAcylation drives a concerted anti-helminth alarmin response dependent on tuft cell hyperplasia and Gasdermin C. *Immunity*, 55(4), 623.

Shen W, et al. (2022) Comprehensive maturity of nuclear pore complexes regulates zygotic genome activation. *Cell*, 185(26), 4954.

Ahmed O, et al. (2022) Immunoprecipitation and Western blot-based detection of protein O-GlcNAcylation in cells. *STAR protocols*, 3(1), 101108.

Tan W, et al. (2021) Posttranscriptional regulation of de novo lipogenesis by glucose-induced O-GlcNAcylation. *Molecular cell*, 81(9), 1890.

Murakami K, et al. (2021) OGT Regulates Hematopoietic Stem Cell Maintenance via PINK1-Dependent Mitophagy. *Cell reports*, 34(1), 108579.