

Resource Summary Report

Generated by RRID on Aug 4, 2026

Anti-UCP1 antibody

RRID:AB_2241462

Type: Antibody

Proper Citation

Abcam Cat# ab10983, RRID:AB_2241462

Antibody Information

URL: http://antibodyregistry.org/AB_2241462

Proper Citation: Abcam Cat# ab10983, RRID:AB_2241462

Target Antigen: UCP1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB, IHC-P

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:TRUE, NonFunctional in animal:FALSE

Antibody Name: Anti-UCP1 antibody

Description: This polyclonal targets UCP1

Target Organism: rat, mouse

Antibody ID: AB_2241462

Vendor: Abcam

Catalog Number: ab10983

Record Creation Time: 20250819T230831+0000

Record Last Update: 20250820T042504+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:TRUE, 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 Anti-UCP1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 161 mentions in open access literature.

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

Slattery JD, et al. (2025) Effects of systemic oxytocin and beta-3 receptor agonist (CL 316243) treatment on body weight and adiposity in male diet-induced obese rats. *Frontiers in endocrinology*, 16, 1503096.

Zhuo S, et al. (2025) Blocking glycogen synthase 1 in white adipose tissue alleviates hypermetabolism following severe burn injury through inhibition of JAK2 by UDPG. *Cell reports*, 44(12), 116577.

Dumesic PA, et al. (2025) RBM43 controls PGC1 β translation and a PGC1 β -STING signaling axis. *Cell metabolism*, 37(3), 742.

Naderi J, et al. (2025) Ceramide-induced FGF13 impairs systemic metabolic health. *Cell metabolism*, 37(5), 1206.

Freire-Agulleiro Ó, et al. (2025) SF1-specific deletion of the energy sensor AMPK α 2 induces obesity. *Molecular metabolism*, 92, 102091.

Nam JS, et al. (2025) An Iron-regulated Signalling Pathway Controls Adipose Browning and Cancer Cachexia. *bioRxiv : the preprint server for biology*.

Das A, et al. (2025) Adenylate cyclase 10 promotes brown adipose tissue thermogenesis. *iScience*, 28(2), 111833.

Wu D, et al. (2025) Targeting IRE1 α improves insulin sensitivity and thermogenesis and suppresses metabolically active adipose tissue macrophages in male obese mice. *eLife*, 13.

Jaekstein MY, et al. (2025) Purinergic adipocyte-macrophage crosstalk promotes degeneration of thermogenic brown adipose tissue. *EMBO reports*, 26(24), 6460.

Choe M, et al. (2025) Genetically encoded tool for manipulation of Ca^{2+} identifies its role as the driver of ISR induced by ATP synthase dysfunction. *Cell chemical biology*, 32(4), 620.

Wagner L, et al. (2025) The Impact of Neuregulin 4 on Metabolic Dysregulation in Lipodystrophy. *Endocrinology*, 166(9).

Dufau J, et al. (2025) Nuclear hormone-sensitive lipase regulates adipose tissue mass and adipocyte metabolism. *Cell metabolism*, 37(11), 2250.

Zhou H, et al. (2024) AGPAT3 deficiency impairs adipocyte differentiation and leads to a lean phenotype in mice. *American journal of physiology. Endocrinology and metabolism*, 327(1), E69.

Rahbani JF, et al. (2024) Parallel control of cold-triggered adipocyte thermogenesis by UCP1 and CKB. *Cell metabolism*, 36(3), 526.

Lee D, et al. (2024) Smooth muscle cell-derived Cxcl12 directs macrophage accrual and sympathetic innervation to control thermogenic adipose tissue. *Cell reports*, 43(5), 114169.

Tien SC, et al. (2024) Exosomal miRNA 16-5p/29a-3p from pancreatic cancer induce adipose atrophy by inhibiting adipogenesis and promoting lipolysis. *iScience*, 27(7), 110346.

Yadav MK, et al. (2024) MAFB in macrophages regulates cold-induced neuronal density in brown adipose tissue. *Cell reports*, 43(4), 113978.

Finch MS, et al. (2024) Creatine and low-dose lithium supplementation separately alter energy expenditure, body mass, and adipose metabolism for the promotion of thermogenesis. *iScience*, 27(4), 109468.

Chen PC, et al. (2024) Intestinal dual-specificity phosphatase 6 regulates the cold-induced gut microbiota remodeling to promote white adipose browning. *NPJ biofilms and microbiomes*, 10(1), 22.

Zhao Z, et al. (2024) Constitutively active receptor ADGRA3 signaling induces adipose thermogenesis. *eLife*, 13.