

Resource Summary Report

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

UCP1 antibody

RRID:AB_2213764

Type: Antibody

Proper Citation

Abcam Cat# ab23841, RRID:AB_2213764

Antibody Information

URL: http://antibodyregistry.org/AB_2213764

Proper Citation: Abcam Cat# ab23841, RRID:AB_2213764

Target Antigen: UCP1 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012:

Immunohistochemistry - frozen; Immunohistochemistry; Western Blot;

Immunohistochemistry - fixed; IHC-FoFr, IHC-P, WB

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: UCP1 antibody

Description: This polyclonal targets UCP1 antibody

Target Organism: rat, canine, mouse, dog, human

Antibody ID: AB_2213764

Vendor: Abcam

Catalog Number: ab23841

Record Creation Time: 20250820T043230+0000

Record Last Update: 20250820T191503+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 UCP1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Tai HC, et al. (2026) Induction of adipocyte thermogenic program by Rho-associated coiled-coil containing kinase 2. iScience, 29(4), 115225.

Snoke DB, et al. (2025) Early adipose tissue wasting in a novel preclinical model of human lung cancer cachexia. bioRxiv : the preprint server for biology.

Vebr P, et al. (2025) Long-term exposure to moderate cold reduces incidence of reperfusion tachyarrhythmias in rats. Journal of applied physiology (Bethesda, Md. : 1985), 139(5), 1156.

Snoke DB, et al. (2025) Early adipose tissue wasting in a preclinical model of human lung cancer cachexia. Cell reports, 44(9), 116278.

Park MY, et al. (2024) Targeted Deletion of Fibroblast Growth Factor 23 Rescues Metabolic Dysregulation of Diet-induced Obesity in Female Mice. Endocrinology, 165(12).

Chen W, et al. (2023) Cold exposure alters lipid metabolism of skeletal muscle through HIF-1 α -induced mitophagy. BMC biology, 21(1), 27.

Kong LR, et al. (2023) Loss of C3a and C5a receptors promotes adipocyte browning and attenuates diet-induced obesity via activating inosine/A2aR pathway. Cell reports, 42(2), 112078.

Ma J, et al. (2023) Cold-inducible lncRNA266 promotes browning and the thermogenic program in white adipose tissue. EMBO reports, 24(12), e55467.

Lee JS, et al. (2022) SENP2 suppresses browning of white adipose tissues by de-conjugating SUMO from C/EBP β . Cell reports, 38(8), 110408.

Rosina M, et al. (2022) Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. *Cell metabolism*, 34(4), 533.

Chen S, et al. (2021) The phytochemical hyperforin triggers thermogenesis in adipose tissue via a Dlat-AMPK signaling axis to curb obesity. *Cell metabolism*, 33(3), 565.

Harris RBS, et al. (2021) Consuming sucrose solution promotes leptin resistance and site specifically modifies hypothalamic leptin signaling in rats. *American journal of physiology. Regulatory, integrative and comparative physiology*, 320(2), R182.

Park J, et al. (2021) Progenitor-like characteristics in a subgroup of UCP1+ cells within white adipose tissue. *Developmental cell*, 56(7), 985.

Wei G, et al. (2021) The thermogenic activity of adjacent adipocytes fuels the progression of ccRCC and compromises anti-tumor therapeutic efficacy. *Cell metabolism*, 33(10), 2021.

Zhu Q, et al. (2020) Apolipoprotein A-IV Enhances Fatty Acid Uptake by Adipose Tissues of Male Mice via Sympathetic Activation. *Endocrinology*, 161(4).

Xu Z, et al. (2019) Cold-induced lipid dynamics and transcriptional programs in white adipose tissue. *BMC biology*, 17(1), 74.

Hurtado Del Pozo C, et al. (2019) A Receptor of the Immunoglobulin Superfamily Regulates Adaptive Thermogenesis. *Cell reports*, 28(3), 773.

Ruan CC, et al. (2018) A2A Receptor Activation Attenuates Hypertensive Cardiac Remodeling via Promoting Brown Adipose Tissue-Derived FGF21. *Cell metabolism*, 28(3), 476.

Jiang H, et al. (2017) Dense Intra-adipose Sympathetic Arborizations Are Essential for Cold-Induced Beiging of Mouse White Adipose Tissue. *Cell metabolism*, 26(4), 686.

Doig CL, et al. (2017) 11 β -HSD1 Modulates the Set Point of Brown Adipose Tissue Response to Glucocorticoids in Male Mice. *Endocrinology*, 158(6), 1964.