Resource Summary Report

Generated by NIF on Jul 29, 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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

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.

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?-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.

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.

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

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.

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.

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

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.

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?-HSD1 Modulates the Set Point of Brown Adipose Tissue Response to Glucocorticoids in Male Mice. Endocrinology, 158(6), 1964.