

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

MTCO1 antibody [1D6] - Mitochondrial Marker

RRID:AB_2084810

Type: Antibody

Proper Citation

Abcam Cat# ab14705, RRID:AB_2084810

Antibody Information

URL: http://antibodyregistry.org/AB_2084810

Proper Citation: Abcam Cat# ab14705, RRID:AB_2084810

Target Antigen: COX1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: western blot, ELISA, immunocytochemistry, flow cytometry
Info: Used by Czech Centre for Phenogenomics

Antibody Name: MTCO1 antibody [1D6] - Mitochondrial Marker

Description: This monoclonal targets COX1

Target Organism: cow, mouse, human

Clone ID: 1D6

Antibody ID: AB_2084810

Vendor: Abcam

Catalog Number: ab14705

Record Creation Time: 20250819T214914+0000

Record Last Update: 20250820T001201+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

No alerts have been found for MTCO1 antibody [1D6] - Mitochondrial Marker.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 99 mentions in open access literature.

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

Tang D, et al. (2025) Augment proteasome inhibitor efficacy activates CD8+ T cell-mediated antitumor immunity in breast cancer. *Cell reports. Medicine*, 6(7), 102211.

Harhai M, et al. (2025) An updated inventory of genes essential for oxidative phosphorylation identifies a mitochondrial origin in familial Ménière's disease. *Cell reports*, 44(8), 116069.

Kosmac K, et al. (2025) Gastrocnemius Myofiber Type and Mitochondrial Alterations Associated With Peripheral Artery Disease Severity. *Function (Oxford, England)*, 6(6).

Rigoni G, et al. (2025) MARIGOLD and MitoCIAO, two searchable compendia to visualize and functionalize protein complexes during mitochondrial remodeling. *Cell metabolism*, 37(4), 1024.

Fu Y, et al. (2025) Engineering mtDNA deletions by reconstituting end joining in human mitochondria. *Cell*, 188(10), 2778.

Guillorit H, et al. (2025) Streptomycin targets tumor-initiating cells by disrupting oxidative phosphorylation. *Cell chemical biology*, 32(4), 570.

Li Y, et al. (2025) Ectopic protein lysine methacrylation contributes to defects caused by loss of HIBCH or ECHS1. *Cell reports*, 44(3), 115379.

Shen C, et al. (2025) ALKBH1 drives tumorigenesis and drug resistance via tRNA decoding reprogramming and codon-biased translation. *Cancer discovery*.

Jackson CB, et al. (2025) De novo serine biosynthesis is protective in mitochondrial disease. *Cell reports*, 44(5), 115710.

Liang C, et al. (2025) Formation of I2+III2 supercomplex rescues respiratory chain defects. *Cell metabolism*, 37(2), 441.

Boshnakovska A, et al. (2025) SMIM20 promotes complex IV biogenesis and Ca²⁺ signaling in mice heart. *Cell reports*, 44(6), 115723.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. *Redox biology*, 84, 103649.

Pioli KT, et al. (2025) Lymphopoiesis is attenuated upon hepatocyte-specific deletion of the cytochrome c oxidase assembly factor Sco1. *iScience*, 28(4), 112151.

Novak J, et al. (2025) The adaptor protein Miro1 modulates horizontal transfer of mitochondria in mouse melanoma models. *Cell reports*, 44(1), 115154.

Wang H, et al. (2025) Adipocyte-specific Steap4 deficiency reduced thermogenesis and energy expenditure in mice. *iScience*, 28(2), 111903.

Zhang Y, et al. (2025) MRPL37 promotes hepatocellular carcinoma progression through modulating mitochondrial energy metabolism. *iScience*, 28(12), 114052.

Hahn A, et al. (2024) Misregulation of mitochondrial 6mA promotes the propagation of mutant mtDNA and causes aging in *C. elegans*. *Cell metabolism*, 36(12), 2528.

Giarmarco M, et al. (2024) Spatial detection of mitochondrial DNA and RNA in tissues. *Frontiers in cell and developmental biology*, 12, 1346778.

Vincent AE, et al. (2024) A stagewise response to mitochondrial dysfunction in mitochondrial DNA maintenance disorders. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(5), 167131.

Guo S, et al. (2024) Leucine restriction ameliorates *Fusobacterium nucleatum*-driven malignant progression and radioresistance in nasopharyngeal carcinoma. *Cell reports. Medicine*, 5(10), 101753.