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: 20250820T040442+0000

Record Last Update: 20250820T175834+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 .

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.

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).

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.

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

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

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

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

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

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

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.