

Resource Summary Report

Generated by [RRID](#) on Aug 10, 2026

Anti-COX IV antibody [20E8C12]

RRID:AB_301443

Type: Antibody

Proper Citation

Abcam Cat# ab14744, RRID:AB_301443

Antibody Information

URL: http://antibodyregistry.org/AB_301443

Proper Citation: Abcam Cat# ab14744, RRID:AB_301443

Target Antigen: COX IV

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Flow Cyt, IHC-FoFr, WB, ICC/IF, IHC-Fr, IHC-P, IP

Antibody Name: Anti-COX IV antibody [20E8C12]

Description: This monoclonal targets COX IV

Target Organism: rat, hamster, cow, pig, mouse, zebrafish, human

Clone ID: Clone 20E8C12

Antibody ID: AB_301443

Vendor: Abcam

Catalog Number: ab14744

Record Creation Time: 20250820T065024+0000

Record Last Update: 20250821T010227+0000

Ratings and Alerts

No rating or validation information has been found for Anti-COX IV antibody [20E8C12].

No alerts have been found for Anti-COX IV antibody [20E8C12].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Stykel MG, et al. (2025) G6PD deficiency triggers dopamine loss and the initiation of Parkinson's disease pathogenesis. *Cell reports*, 44(1), 115178.

De Luca F, et al. (2025) Osteogenesis Imperfecta: A Look into the Cerebellum of the Brl Murine Model. *Molecular neurobiology*, 62(12), 15609.

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

unátová K, et al. (2024) Mitochondrial translation is the primary determinant of secondary mitochondrial complex I deficiencies. *iScience*, 27(8), 110560.

Peng Q, et al. (2024) Astragalus polysaccharides sensitize ovarian cancer stem cells to PARPi by inhibiting mitophagy via PINK1/Parkin signaling. *iScience*, 27(8), 110376.

Ainslie AP, et al. (2024) Glioblastoma and its treatment are associated with extensive accelerated brain aging. *Aging cell*, 23(3), e14066.

McMinimy R, et al. (2024) Reactive oxygen species control protein degradation at the mitochondrial import gate. *Molecular cell*, 84(23), 4612.

Ji Y, et al. (2024) EHBP1 Is Critically Involved in the Dendritic Arbor Formation and Is Coupled to Factors Promoting Actin Filament Formation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(6).

Beltrà M, et al. (2022) PGC-1 β in the myofibers regulates the balance between myogenic and adipogenic progenitors affecting muscle regeneration. *iScience*, 25(11), 105480.

Taguchi K, et al. (2021) Quantitative super-resolution microscopy reveals promoting mitochondrial interconnectivity protects against AKI. *Kidney360*, 2(12), 1892.

Towers CG, et al. (2021) Mitochondrial-derived vesicles compensate for loss of LC3-mediated mitophagy. *Developmental cell*, 56(14), 2029.

Crewe C, et al. (2021) Extracellular vesicle-based interorgan transport of mitochondria from energetically stressed adipocytes. *Cell metabolism*, 33(9), 1853.

de Meeûs d'Argenteuil C, et al. (2021) Comparison of Shifts in Skeletal Muscle Plasticity Parameters in Horses in Three Different Muscles, in Answer to 8 Weeks of Harness Training. *Frontiers in veterinary science*, 8, 718866.

Liang KX, et al. (2020) Disease-specific phenotypes in iPSC-derived neural stem cells with POLG mutations. *EMBO molecular medicine*, 12(10), e12146.

Cupo RR, et al. (2020) Skd3 (human ClpB) is a potent mitochondrial protein disaggregase that is inactivated by 3-methylglutaconic aciduria-linked mutations. *eLife*, 9.

Timón-Gómez A, et al. (2020) Distinct Roles of Mitochondrial HIGD1A and HIGD2A in Respiratory Complex and Supercomplex Biogenesis. *Cell reports*, 31(5), 107607.

Li X, et al. (2020) Cyanidin-3-O-glucoside improves non-alcoholic fatty liver disease by promoting PINK1-mediated mitophagy in mice. *British journal of pharmacology*, 177(15), 3591.

Borghesan M, et al. (2019) Small Extracellular Vesicles Are Key Regulators of Non-cell Autonomous Intercellular Communication in Senescence via the Interferon Protein IFITM3. *Cell reports*, 27(13), 3956.

Crewe C, et al. (2018) An Endothelial-to-Adipocyte Extracellular Vesicle Axis Governed by Metabolic State. *Cell*, 175(3), 695.

Lobo-Jarne T, et al. (2018) Human COX7A2L Regulates Complex III Biogenesis and Promotes Supercomplex Organization Remodeling without Affecting Mitochondrial Bioenergetics. *Cell reports*, 25(7), 1786.