

Resource Summary Report

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Total OXPHOS Human WB Antibody Cocktail Kit

RRID:AB_2756818

Type: Antibody

Proper Citation

Abcam Cat# ab110411, RRID:AB_2756818

Antibody Information

URL: http://antibodyregistry.org/AB_2756818

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Target Antigen: OXPHOS

Clonality: monoclonal

Comments: Kit contains 5 mAbs, one each against Complex I subunit NDUF8 (ab110242), Complex II subunit 30kDa (ab14714), Complex III subunit Core 2 (ab14745), Complex IV subunit II (ab110258), and ATP synthase subunit alpha (ab14748) as an optimized premixed cocktail. Applications: WB

Antibody Name: Total OXPHOS Human WB Antibody Cocktail Kit

Description: This monoclonal targets OXPHOS

Target Organism: human

Antibody ID: AB_2756818

Vendor: Abcam

Catalog Number: ab110411

Record Creation Time: 20231110T033312+0000

Record Last Update: 20260829T043143+0000

Ratings and Alerts

No rating or validation information has been found for Total OXPHOS Human WB Antibody Cocktail Kit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Zhu L, et al. (2026) Mitochondrial glutamine import sustains electron transport chain integrity independently of glutaminolysis in cancer. *Molecular cell*, 86(1), 150.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Karakousi T, et al. (2026) IFN γ -dependent metabolic reprogramming restrains an immature, pro-metastatic lymphatic state in melanoma. *Cancer cell*, 44(4), 792.

Lefrançois G, et al. (2026) The role of ATP synthase subunit e (ATP5I) in mediating the metabolic and antiproliferative effects of metformin in cancer cells. *eLife*, 13.

Woo SM, et al. (2026) Inhibiting Fatty Acid Oxidation Reverses Autophagy-Mediated Acquired Chemotherapy Resistance in Pancreatic Ductal Adenocarcinoma. *Cancer research*, 86(13), 3194.

Tani K, et al. (2026) PRDM16 modulates aspects of cell cycle dynamics and maturation in human iPSC-derived cardiomyocytes. *Stem cell reports*, 103005.

Bernardi F, et al. (2026) Multiomic integration reveals tumoral heterogeneity of lipid dependence within lethal group 3 medulloblastoma. *Cancer cell*.

Biagioni EM, et al. (2026) Skeletal muscle mitochondrial bioenergetics in pregnancy: a comparison of in vivo and in vitro outcomes. *Journal of the Endocrine Society*, 10(5), bvag093.

Ada SK, et al. (2026) TMEM97 regulates cholesterol biosynthesis and mitochondrial metabolism in gastric carcinoma. *iScience*, 29(8), 116773.

Zhang Y, et al. (2025) An ancient regulatory variant of ACSF3 influences the coevolution of increased human height and basal metabolic rate via metabolic homeostasis. *Cell genomics*, 5(6), 100855.

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

Puente-Ruiz SC, et al. (2025) B cell-derived nociceptin/orphanin FQ contributes to impaired glucose tolerance and insulin resistance in obesity. *iScience*, 28(7), 112819.

Sainz AG, et al. (2025) FAM43A coordinates mtDNA replication and mitochondrial biogenesis in response to mtDNA depletion. *The Journal of cell biology*, 224(3).

Nah J, et al. (2025) Microprotein SMIM26 drives oxidative metabolism via serine-responsive mitochondrial translation. *Molecular cell*, 85(14), 2759.

Lin YT, et al. (2025) Temporal analysis of doxorubicin-induced cardiac toxicity and hypertrophy. *NPJ systems biology and applications*, 11(1), 67.

Dufau J, et al. (2025) Nuclear hormone-sensitive lipase regulates adipose tissue mass and adipocyte metabolism. *Cell metabolism*, 37(11), 2250.

Cheng L, et al. (2025) PEBP1 amplifies mitochondrial dysfunction-induced integrated stress response. *eLife*, 13.

Haastrup MO, et al. (2024) Mitochondrial Translocase TOMM22 Is Overexpressed in Pancreatic Cancer and Promotes Aggressive Growth by Modulating Mitochondrial Protein Import and Function. *Molecular cancer research : MCR*, 22(2), 197.

Shen Y, et al. (2024) Coptisine exerts anti-tumour effects in triple-negative breast cancer by targeting mitochondrial complex I. *British journal of pharmacology*, 181(21), 4262.

Ast T, et al. (2024) METTL17 is an Fe-S cluster checkpoint for mitochondrial translation. *Molecular cell*, 84(2), 359.