

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: 20250819T234050+0000

Record Last Update: 20250820T060537+0000

Ratings and Alerts

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

No alerts have been found for Total OXPHOS Human WB Antibody Cocktail Kit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 57 mentions in open access literature.

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

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

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

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.

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.

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.

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

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

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.

Sun Y, et al. (2024) A mitophagy sensor PPTC7 controls BNIP3 and NIX degradation to regulate mitochondrial mass. *Molecular cell*, 84(2), 327.

Yuan T, et al. (2024) Human SIRT5 variants with reduced stability and activity do not cause neuropathology in mice. *iScience*, 27(6), 109991.

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.

Bennett NK, et al. (2024) Systems-level analyses dissociate genetic regulators of reactive oxygen species and energy production. *Proceedings of the National Academy of Sciences of the United States of America*, 121(3), e2307904121.

Tábara LC, et al. (2024) MTFP1 controls mitochondrial fusion to regulate inner membrane quality control and maintain mtDNA levels. *Cell*, 187(14), 3619.

Grandi M, et al. (2024) Mitochondrial Dysfunction Causes Cell Death in Patients Affected by Fragile-X-Associated Disorders. *International journal of molecular sciences*, 25(6).

Gil-Pitarch C, et al. (2024) Neddylation inhibition prevents acetaminophen-induced liver damage by enhancing the anabolic cardiolipin pathway. *Cell reports. Medicine*, 5(7), 101653.

Lam I, et al. (2024) Rapid iPSC inclusionopathy models shed light on formation, consequence, and molecular subtype of α -synuclein inclusions. *Neuron*, 112(17), 2886.

Li J, et al. (2024) TFE3 fusions direct an oncogenic transcriptional program that drives OXPHOS and unveils vulnerabilities in translocation renal cell carcinoma. *bioRxiv : the preprint server for biology*.