

Resource Summary Report

Generated by [ASWG](#) on Jul 30, 2026

OxPhos Rodent WB Antibody Cocktail

RRID:AB_2533835

Type: Antibody

Proper Citation

Thermo Fisher Scientific Cat# 45-8099, RRID:AB_2533835

Antibody Information

URL: http://antibodyregistry.org/AB_2533835

Proper Citation: Thermo Fisher Scientific Cat# 45-8099, RRID:AB_2533835

Target Antigen: OxPhos Rodent WB

Host Organism: mouse

Clonality: cocktail

Comments: Applications: WB (Assay-dependent)

Antibody Name: OxPhos Rodent WB Antibody Cocktail

Description: This cocktail targets OxPhos Rodent WB

Target Organism: Human, Bovine, Rat, Mouse, Non-human primate

Clone ID: Clone Cocktail

Defining Citation: [PMID:23852339](#)

Antibody ID: AB_2533835

Vendor: Thermo Fisher Scientific

Catalog Number: 45-8099

Record Creation Time: 20250819T235333+0000

Record Last Update: 20250820T064427+0000

Ratings and Alerts

No rating or validation information has been found for OxPhos Rodent WB Antibody Cocktail.

No alerts have been found for OxPhos Rodent WB Antibody Cocktail.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Bordi M, et al. (2025) ADSL deficiency is a secondary mitochondrial disease affecting organelle homeostasis and ERK2/AKT signaling in a linear genotype-phenotype relation. Cell reports, 44(9), 116230.

Abdelhameed AM, et al. (2025) Adiponectin Receptor Agonist AdipoRon Ameliorates the Metabolic Complications in a Hyperandrogenic Rat Model of PCOS. Endocrinology, 167(1).

Odendaal-Gambrell CP, et al. (2025) Chronic stress elicits sex-specific mitochondrial respiratory functional changes in the rat heart. Physiological reports, 13(9), e70371.

Wagner L, et al. (2025) The Impact of Neuregulin 4 on Metabolic Dysregulation in Lipodystrophy. Endocrinology, 166(9).

Weidenhamer CJ, et al. (2025) Muscle memory of exercise optimizes mitochondrial metabolism to support skeletal muscle growth. American journal of physiology. Cell physiology, 329(4), C1239.

Chae SA, et al. (2024) Exercise enhances placental labyrinth trophoblast development by activation of PGC-1 β and FNDC5/irisin $\uparrow$. Biology of reproduction, 110(2), 355.

Liu X, et al. (2023) Reduced intestinal lipid absorption improves glucose metabolism in aged G2-Terc knockout mice. BMC biology, 21(1), 150.

Varshney R, et al. (2023) Neonatal intake of Omega-3 fatty acids enhances lipid oxidation in adipocyte precursors. iScience, 26(1), 105750.

Cero C, et al. (2023) Standardized In Vitro Models of Human Adipose Tissue Reveal Metabolic Flexibility in Brown Adipocyte Thermogenesis. Endocrinology, 164(12).

Lee Q, et al. (2023) End binding-3 inhibitor activates regenerative program in age-related macular degeneration. Cell reports. Medicine, 4(10), 101223.

Tomlinson KL, et al. (2023) Ketogenesis promotes tolerance to Pseudomonas aeruginosa pulmonary infection. Cell metabolism, 35(10), 1767.

Zhao M, et al. (2022) Phosphoproteomic mapping reveals distinct signaling actions and activation of muscle protein synthesis by Isthmin-1. *eLife*, 11.

Davies KL, et al. (2022) Cortisol Regulates Cerebral Mitochondrial Oxidative Phosphorylation and Morphology of the Brain in a Region-Specific Manner in the Ovine Fetus. *Biomolecules*, 12(6).

Davies KL, et al. (2021) Development of cerebral mitochondrial respiratory function is impaired by thyroid hormone deficiency before birth in a region-specific manner. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(5), e21591.

Krishna S, et al. (2021) Identification of long-lived proteins in the mitochondria reveals increased stability of the electron transport chain. *Developmental cell*, 56(21), 2952.

O'Brien KA, et al. (2021) Enhanced hepatic respiratory capacity and altered lipid metabolism support metabolic homeostasis during short-term hypoxic stress. *BMC biology*, 19(1), 265.

Nayak G, et al. (2020) Adaptive Thermogenesis in Mice Is Enhanced by Opsin 3-Dependent Adipocyte Light Sensing. *Cell reports*, 30(3), 672.

Meul T, et al. (2020) Mitochondrial Regulation of the 26S Proteasome. *Cell reports*, 32(8), 108059.

Davies KL, et al. (2020) Development and thyroid hormone dependence of skeletal muscle mitochondrial function towards birth. *The Journal of physiology*, 598(12), 2453.

Oelkrug R, et al. (2020) Maternal Brown Fat Thermogenesis Programs Glucose Tolerance in the Male Offspring. *Cell reports*, 33(5), 108351.