

# Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 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](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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 26 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Jia X, et al. (2026) NAD<sup>+</sup> hydrolysis catalyzed by SeLO is required for mitochondrial homeostasis. *Cell*, 189(9), 2633.

Pazos-Gil M, et al. (2026) Pathological frataxin deficiency in mice causes tissue-specific alterations in iron homeostasis. *iScience*, 29(2), 114625.

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.

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

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

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 $\beta$  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).

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

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

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.