

# Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

## Cytochrome c Antibody

RRID:AB\_2090454

Type: Antibody

### Proper Citation

Cell Signaling Technology Cat# 4272, RRID:AB\_2090454

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2090454](http://antibodyregistry.org/AB_2090454)

**Proper Citation:** Cell Signaling Technology Cat# 4272, RRID:AB\_2090454

**Target Antigen:** Cytochrome c

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Applications: W, IHC-P. Consolidation on 10/2018: AB\_10694552, AB\_2090454.

**Antibody Name:** Cytochrome c Antibody

**Description:** This polyclonal targets Cytochrome c

**Target Organism:** rat, drosophilaarthropod, h, dm, m, mouse, r, human, mk

**Antibody ID:** AB\_2090454

**Vendor:** Cell Signaling Technology

**Catalog Number:** 4272

**Record Creation Time:** 20250820T003751+0000

**Record Last Update:** 20250820T084659+0000

### Ratings and Alerts

No rating or validation information has been found for Cytochrome c Antibody.

No alerts have been found for Cytochrome c Antibody.

## Data and Source Information

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

## Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Castro RC, et al. (2026) Extracellular Vesicles Favor Early Peripheral Immunosenescence Through Modulation of the Senescence-Associated Secretory Phenotype in HIV Infection. *Aging cell*, 25(1), e70320.

Tedeschi V, et al. (2025) Lysosomal TPC2 channel as a new target of chlorpromazine and clomipramine to induce protective autophagy in L-BMAA-induced neurodegeneration. *Biochemical pharmacology*, 242(Pt 2), 117219.

Liu Y, et al. (2025) Muscle-derived small extracellular vesicles induce liver fibrosis during overtraining. *Cell metabolism*, 37(4), 824.

Tice AL, et al. (2024) Effects of chronic alcohol intoxication on aerobic exercise-induced adaptations in female mice. *Journal of applied physiology (Bethesda, Md. : 1985)*, 136(4), 721.

Capelo-Diz A, et al. (2023) Hepatic levels of S-adenosylmethionine regulate the adaptive response to fasting. *Cell metabolism*, 35(8), 1373.

Thongnak L, et al. (2023) Metformin mitigates renal dysfunction in obese insulin-resistant rats via activation of the AMPK/PPAR $\gamma$  pathway. *Archives of pharmacol research*, 46(5), 408.

Yamada M, et al. (2023) Muscle p62 stimulates the expression of antioxidant proteins alleviating cancer cachexia. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(9), e23156.

Xie Y, et al. (2022) HDAC2- and EZH2-Mediated Histone Modifications Induce PDK1 Expression through miR-148a Downregulation in Breast Cancer Progression and Adriamycin Resistance. *Cancers*, 14(15).

Mao RW, et al. (2022) Honokiol ameliorates cisplatin-induced acute kidney injury via inhibition of mitochondrial fission. *British journal of pharmacology*, 179(14), 3886.

Anastasiou IA, et al. (2022) Low concentrations of bisphenol A promote the activation of the mitochondrial apoptotic pathway on Beta-TC-6 cells via the generation of intracellular reactive oxygen species and mitochondrial superoxide. *Journal of biochemical and molecular toxicology*, 36(8), e23099.

Olelewe C, et al. (2022) Gold(III)-P-chirogenic complex induces mitochondrial dysfunction in triple-negative breast cancer. *iScience*, 25(5), 104340.

You JS, et al. (2021) ARHGEF3 regulates skeletal muscle regeneration and strength through autophagy. *Cell reports*, 34(6), 108731.

Aka Y, et al. (2021) Kinome-wide RNAi screening for mediators of ABT-199 resistance in breast cancer cells identifies Wee1 as a novel therapeutic target. *The international journal of biochemistry & cell biology*, 137, 106028.

Cheng A, et al. (2021) A novel fatty acid-binding protein 5 and 7 inhibitor ameliorates oligodendrocyte injury in multiple sclerosis mouse models. *EBioMedicine*, 72, 103582.

Spurlock B, et al. (2021) Fine-tuned repression of Drp1-driven mitochondrial fission primes a 'stem/progenitor-like state' to support neoplastic transformation. *eLife*, 10.

Nadeem A, et al. (2021) Suppression of  $\beta$ -catenin signaling in colon carcinoma cells by a bacterial protein. *International journal of cancer*, 149(2), 442.

Rütgen BC, et al. (2021) Flow Cytometric Assessment of Ki-67 Expression in Lymphocytes From Physiologic Lymph Nodes, Lymphoma Cell Populations and Remnant Normal Cell Populations From Lymphomatous Lymph Nodes. *Frontiers in veterinary science*, 8, 663656.

Xiong L, et al. (2020) LncRNA-Malat1 is Involved in Lipotoxicity-Induced  $\beta$ -cell Dysfunction and the Therapeutic Effect of Exendin-4 via Ptp1. *Endocrinology*, 161(7).

Huh JY, et al. (2020) TANK-Binding Kinase 1 Regulates the Localization of Acyl-CoA Synthetase ACSL1 to Control Hepatic Fatty Acid Oxidation. *Cell metabolism*, 32(6), 1012.

Lin S, et al. (2019) Fascin Controls Metastatic Colonization and Mitochondrial Oxidative Phosphorylation by Remodeling Mitochondrial Actin Filaments. *Cell reports*, 28(11), 2824.