Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

DRP1 (D6C7) Rabbit mAb

RRID:AB_10950498
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 8570, RRID:AB_10950498)

Antibody Information

URL: http://antibodyregistry.org/AB_10950498

Proper Citation: (Cell Signaling Technology Cat# 8570, RRID:AB_10950498)

Target Antigen: DRP1

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IF-IC

Antibody Name: DRP1 (D6C7) Rabbit mAb

Description: This monoclonal targets DRP1

Target Organism: monkey, rat, mouse, human

Clone ID: D6C7

Antibody ID: AB_10950498

Vendor: Cell Signaling Technology

Catalog Number: 8570

Alternative Catalog Numbers: 8570S

Record Creation Time: 20231110T062953+0000

Record Last Update: 20241115T061421+0000

Ratings and Alerts

No rating or validation information has been found for DRP1 (D6C7) Rabbit mAb.

No alerts have been found for DRP1 (D6C7) Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 60 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Welch N, et al. (2024) Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein homeostasis by hypoxia-inducible factor-1? in normoxia. The Journal of physiology, 602(12), 2763.

Ikeda A, et al. (2024) Systemic phospho-defective and phospho-mimetic Drp1 mice exhibit normal growth and development with altered anxiety-like behavior. iScience, 27(6), 109874.

Ainslie AP, et al. (2024) Glioblastoma and its treatment are associated with extensive accelerated brain aging. Aging cell, 23(3), e14066.

Zhou C, et al. (2024) TRABD modulates mitochondrial homeostasis and tissue integrity. Cell reports, 43(6), 114304.

Liu Y, et al. (2023) An Fgr kinase inhibitor attenuates sepsis-associated encephalopathy by ameliorating mitochondrial dysfunction, oxidative stress, and neuroinflammation via the SIRT1/PGC-1? signaling pathway. Journal of translational medicine, 21(1), 486.

Li X, et al. (2023) Photobiomodulation provides neuroprotection through regulating mitochondrial fission imbalance in the subacute phase of spinal cord injury. Neural regeneration research, 18(9), 2005.

Bassot A, et al. (2023) The endoplasmic reticulum kinase PERK interacts with the oxidoreductase ERO1 to metabolically adapt mitochondria. Cell reports, 42(1), 111899.

Yang J, et al. (2023) Chemical inhibition of mitochondrial fission via targeting the DRP1-receptor interaction. Cell chemical biology, 30(3), 278.

Hirose S, et al. (2023) NRF3 activates mTORC1 arginine-dependently for cancer cell viability. iScience, 26(2), 106045.

Pearah A, et al. (2023) Blocking AMPK?S496 phosphorylation improves mitochondrial

dynamics and hyperglycemia in aging and obesity. Cell chemical biology, 30(12), 1585.

Yang JF, et al. (2023) Mitochondria-ER contact mediated by MFN2-SERCA2 interaction supports CD8+ T cell metabolic fitness and function in tumors. Science immunology, 8(87), eabq2424.

Suh J, et al. (2023) Mitochondrial fragmentation and donut formation enhance mitochondrial secretion to promote osteogenesis. Cell metabolism, 35(2), 345.

Cui Y, et al. (2023) T lymphocytes expressing the switchable chimeric Fc receptor CD64 exhibit augmented persistence and antitumor activity. Cell reports, 42(7), 112797.

Ciarlone GE, et al. (2023) 5-Hydroxymethylfurfural reduces skeletal muscle superoxide production and modifies force production in rats exposed to hypobaric hypoxia. Physiological reports, 11(14), e15743.

Liao KM, et al. (2023) Senomorphic effect of diphenyleneiodonium through AMPK/MFF/DRP1 mediated mitochondrial fission. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 162, 114616.

Humphries BA, et al. (2023) Enhanced mitochondrial fission inhibits triple-negative breast cancer cell migration through an ROS-dependent mechanism. iScience, 26(6), 106788.

Ghosh D, et al. (2023) Ets1 facilitates EMT/invasion through Drp1-mediated mitochondrial fragmentation in ovarian cancer. iScience, 26(9), 107537.

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

Ramonett A, et al. (2022) Regulation of mitochondrial fission by GIPC-mediated Drp1 retrograde transport. Molecular biology of the cell, 33(1), ar4.

Pernaute B, et al. (2022) DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. Developmental cell, 57(11), 1316.