Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 25, 2025

Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb

RRID:AB_11178659
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4494, RRID:AB_11178659)

Antibody Information

URL: http://antibodyregistry.org/AB_11178659

Proper Citation: (Cell Signaling Technology Cat# 4494, RRID:AB_11178659)

Target Antigen: Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IF-IC, F

Antibody Name: Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb

Description: This monoclonal targets Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb

Target Organism: rat, h, m, mouse, r, human, mk

Antibody ID: AB_11178659

Vendor: Cell Signaling Technology

Catalog Number: 4494

Record Creation Time: 20231110T060218+0000

Record Last Update: 20241115T001218+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb.

No alerts have been found for Phospho-DRP1 (Ser616) (D9A1) Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Maharaj AV, et al. (2024) QSOX2 Deficiency-induced short stature, gastrointestinal dysmotility and immune dysfunction. Nature communications, 15(1), 8420.

D'Acunzo P, et al. (2024) Mitovesicles secreted into the extracellular space of brains with mitochondrial dysfunction impair synaptic plasticity. Molecular neurodegeneration, 19(1), 34.

Raby A, et al. (2024) Spastin regulates ER-mitochondrial contact sites and mitochondrial homeostasis. iScience, 27(9), 110683.

Debsharma S, et al. (2024) NSAID targets SIRT3 to trigger mitochondrial dysfunction and gastric cancer cell death. iScience, 27(4), 109384.

Agarwala S, et al. (2023) Enrichment of carcinogen-driven "mitochondria-primed" human skin stem cells and their identification using single-cell analyses. STAR protocols, 4(3), 102545.

Beckers A, et al. (2023) Optic nerve injury-induced regeneration in the adult zebrafish is accompanied by spatiotemporal changes in mitochondrial dynamics. Neural regeneration research, 18(1), 219.

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

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.

Pearah A, et al. (2023) Blocking AMPK?S496 phosphorylation improves mitochondrial dynamics and hyperglycemia in aging and obesity. Cell chemical biology, 30(12), 1585.

Liu ZF, et al. (2022) Melatonin attenuates manganese-induced mitochondrial fragmentation by suppressing the Mst1/JNK signaling pathway in primary mouse neurons. The Science of the total environment, 844, 157134.

Abdullah MO, et al. (2022) Mitochondrial hyperfusion via metabolic sensing of regulatory amino acids. Cell reports, 40(7), 111198.

Tong WH, et al. (2022) Hyperactivation of mTOR and AKT in a cardiac hypertrophy animal model of Friedreich ataxia. Heliyon, 8(8), e10371.

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

Du J, et al. (2022) N6-adenomethylation of GsdmC is essential for Lgr5+ stem cell survival to maintain normal colonic epithelial morphogenesis. Developmental cell, 57(16), 1976.

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.

Jin S, et al. (2021) Drp1 is required for AgRP neuronal activity and feeding. eLife, 10.

Daneshmandi S, et al. (2021) Blockade of 6-phosphogluconate dehydrogenase generates CD8+ effector T cells with enhanced anti-tumor function. Cell reports, 34(10), 108831.

Uchikado Y, et al. (2021) Association of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 With Angiotensin II Type 1 Receptor Impacts Mitochondrial Quality Control, Offering Promise for the Treatment of Vascular Senescence. Frontiers in cardiovascular medicine, 8, 788655.

Tang FL, et al. (2021) Ganglioside GD3 regulates dendritic growth in newborn neurons in adult mouse hippocampus via modulation of mitochondrial dynamics. Journal of neurochemistry, 156(6), 819.

Cha Y, et al. (2021) SIRT2 regulates mitochondrial dynamics and reprogramming via MEK1-ERK-DRP1 and AKT1-DRP1 axes. Cell reports, 37(13), 110155.