Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 19, 2025

DLP1

RRID:AB_398424
Type: Antibody

Proper Citation

(BD Biosciences Cat# 611113, RRID:AB_398424)

Antibody Information

URL: http://antibodyregistry.org/AB_398424

Proper Citation: (BD Biosciences Cat# 611113, RRID:AB_398424)

Target Antigen: DLP1

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Western blot

Antibody Name: DLP1

Description: This monoclonal targets DLP1

Target Organism: rat, canine, mouse, dog, human

Antibody ID: AB_398424

Vendor: BD Biosciences

Catalog Number: 611113

Record Creation Time: 20231110T081114+0000

Record Last Update: 20241115T043331+0000

Ratings and Alerts

No rating or validation information has been found for DLP1.

No alerts have been found for DLP1.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Murata D, et al. (2024) Slc25a3-dependent copper transport controls flickering-induced Opa1 processing for mitochondrial safeguard. Developmental cell, 59(19), 2578.

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.

Tábara LC, et al. (2024) MTFP1 controls mitochondrial fusion to regulate inner membrane quality control and maintain mtDNA levels. Cell, 187(14), 3619.

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.

Yasuda T, et al. (2023) Mitochondrial dynamics define muscle fiber type by modulating cellular metabolic pathways. Cell reports, 42(5), 112434.

Béland-Millar A, et al. (2023) 16p11.2 haploinsufficiency reduces mitochondrial biogenesis in brain endothelial cells and alters brain metabolism in adult mice. Cell reports, 42(5), 112485.

Zhang K, et al. (2022) Acquisition of cellular properties during alveolar formation requires differential activity and distribution of mitochondria. eLife, 11.

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

Yamada T, et al. (2022) Prevention and regression of megamitochondria and steatosis by blocking mitochondrial fusion in the liver. iScience, 25(4), 103996.

Oshima Y, et al. (2021) Parkin-independent mitophagy via Drp1-mediated outer membrane severing and inner membrane ubiquitination. The Journal of cell biology, 220(6).

Adachi Y, et al. (2020) Drp1 Tubulates the ER in a GTPase-Independent Manner. Molecular cell, 80(4), 621.

Park JE, et al. (2019) Drp1 Phosphorylation Is Indispensable for Steroidogenesis in Leydig Cells. Endocrinology, 160(4), 729.

Koyano F, et al. (2019) Parkin-mediated ubiquitylation redistributes MITOL/March5 from mitochondria to peroxisomes. EMBO reports, 20(12), e47728.

Galvan DL, et al. (2019) Drp1S600 phosphorylation regulates mitochondrial fission and progression of nephropathy in diabetic mice. The Journal of clinical investigation, 129(7), 2807.

Simula L, et al. (2018) Drp1 Controls Effective T Cell Immune-Surveillance by Regulating T Cell Migration, Proliferation, and cMyc-Dependent Metabolic Reprogramming. Cell reports, 25(11), 3059.

Hennings TG, et al. (2018) In Vivo Deletion of ?-Cell Drp1 Impairs Insulin Secretion Without Affecting Islet Oxygen Consumption. Endocrinology, 159(9), 3245.

Yamada T, et al. (2018) Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. Cell metabolism, 28(4), 588.

Benador IY, et al. (2018) Mitochondria Bound to Lipid Droplets Have Unique Bioenergetics, Composition, and Dynamics that Support Lipid Droplet Expansion. Cell metabolism, 27(4), 869.

Lee J, et al. (2018) A Genetic Interaction Map of Insulin Production Identifies Mfi as an Inhibitor of Mitochondrial Fission. Endocrinology, 159(9), 3321.

Wang Y, et al. (2017) Mitochondrial Fission Promotes the Continued Clearance of Apoptotic Cells by Macrophages. Cell, 171(2), 331.