## **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 22, 2025

# Anti-DRP1 antibody [3B5]

RRID:AB\_941306 Type: Antibody

#### **Proper Citation**

(Abcam Cat# ab56788, RRID:AB\_941306)

#### Antibody Information

URL: http://antibodyregistry.org/AB\_941306

Proper Citation: (Abcam Cat# ab56788, RRID:AB\_941306)

Target Antigen: DNM1L

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IHC-P, IP, Flow Cyt

Antibody Name: Anti-DRP1 antibody [3B5]

Description: This monoclonal targets DNM1L

Target Organism: human

Clone ID: 3B5

Antibody ID: AB\_941306

Vendor: Abcam

Catalog Number: ab56788

**Record Creation Time:** 20231110T042434+0000

Record Last Update: 20241115T115333+0000

#### **Ratings and Alerts**

No rating or validation information has been found for Anti-DRP1 antibody [3B5].

No alerts have been found for Anti-DRP1 antibody [3B5].

### Data and Source Information

Source: Antibody Registry

#### **Usage and Citation Metrics**

We found 13 mentions in open access literature.

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

Pramio J, et al. (2023) Sulfite Impairs Bioenergetics and Redox Status in Neonatal Rat Brain: Insights into the Early Neuropathophysiology of Isolated Sulfite Oxidase and Molybdenum Cofactor Deficiencies. Cellular and molecular neurobiology.

Goldsmith J, et al. (2022) Brain-derived autophagosome profiling reveals the engulfment of nucleoid-enriched mitochondrial fragments by basal autophagy in neurons. Neuron, 110(6), 967.

Tokuyama T, et al. (2022) Protective roles of MITOL against myocardial senescence and ischemic injury partly via Drp1 regulation. iScience, 25(7), 104582.

Cie?la M, et al. (2021) Oncogenic translation directs spliceosome dynamics revealing an integral role for SF3A3 in breast cancer. Molecular cell, 81(7), 1453.

Delmotte P, et al. (2021) TNF? induces mitochondrial fragmentation and biogenesis in human airway smooth muscle. American journal of physiology. Lung cellular and molecular physiology, 320(1), L137.

Simpson CL, et al. (2021) NIX initiates mitochondrial fragmentation via DRP1 to drive epidermal differentiation. Cell reports, 34(5), 108689.

Lengefeld J, et al. (2021) Cell size is a determinant of stem cell potential during aging. Science advances, 7(46), eabk0271.

Ward JM, et al. (2019) Metabolic and Organelle Morphology Defects in Mice and Human Patients Define Spinocerebellar Ataxia Type 7 as a Mitochondrial Disease. Cell reports, 26(5), 1189.

Pusec CM, et al. (2019) Hepatic HKDC1 Expression Contributes to Liver Metabolism. Endocrinology, 160(2), 313.

Smith GA, et al. (2019) Glutathione S-Transferase Regulates Mitochondrial Populations in Axons through Increased Glutathione Oxidation. Neuron, 103(1), 52.

Malty RH, et al. (2017) A Map of Human Mitochondrial Protein Interactions Linked to Neurodegeneration Reveals New Mechanisms of Redox Homeostasis and NF-?B Signaling. Cell systems, 5(6), 564.

Song M, et al. (2017) Abrogating Mitochondrial Dynamics in Mouse Hearts Accelerates Mitochondrial Senescence. Cell metabolism, 26(6), 872.

Escoll P, et al. (2017) Legionella pneumophila Modulates Mitochondrial Dynamics to Trigger Metabolic Repurposing of Infected Macrophages. Cell host & microbe, 22(3), 302.