Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 26, 2025

Mitofusin 1 antibody

RRID:AB_2142624
Type: Antibody

Proper Citation

(Abcam Cat# ab57602, RRID:AB_2142624)

Antibody Information

URL: http://antibodyregistry.org/AB_2142624

Proper Citation: (Abcam Cat# ab57602, RRID:AB_2142624)

Target Antigen: Mitofusin 1 antibody

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012:2a;2a Immunohistochemistry - fixed; Immunofluorescence; Immunohistochemistry; Flow Cytometry; Western Blot; Immunocytochemistry; Immunoprecipitation; Flow Cyt, ICC/IF, IHC-P, IP, WB

Antibody Name: Mitofusin 1 antibody

Description: This monoclonal targets Mitofusin 1 antibody

Target Organism: mouse, human

Antibody ID: AB_2142624

Vendor: Abcam

Catalog Number: ab57602

Record Creation Time: 20241017T001616+0000

Record Last Update: 20241017T015715+0000

Ratings and Alerts

No rating or validation information has been found for Mitofusin 1 antibody.

No alerts have been found for Mitofusin 1 antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Gicquel T, et al. (2024) Integrative study of skeletal muscle mitochondrial dysfunction in a murine pancreatic cancer-induced cachexia model. eLife, 13.

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

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.

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

Yeung N, et al. (2023) Role of human HSPE1 for OPA1 processing independent of HSPD1. iScience, 26(2), 106067.

Neal ES, et al. (2023) Vitamin B12 deficiency induces glucose intolerance, delays peak insulin levels and promotes ketogenesis in female rats. The Journal of endocrinology, 256(2).

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

Cao J, et al. (2021) RBFOX2 is critical for maintaining alternative polyadenylation patterns and mitochondrial health in rat myoblasts. Cell reports, 37(5), 109910.

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.

Towers CG, et al. (2021) Mitochondrial-derived vesicles compensate for loss of LC3-mediated mitophagy. Developmental cell, 56(14), 2029.

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

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

Hernández-Alvarez MI, et al. (2019) Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. Cell, 177(4), 881.

Wang Y, et al. (2019) Metformin Improves Mitochondrial Respiratory Activity through Activation of AMPK. Cell reports, 29(6), 1511.

Wu MJ, et al. (2019) Epithelial-Mesenchymal Transition Directs Stem Cell Polarity via Regulation of Mitofusin. Cell metabolism, 29(4), 993.

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.

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.

Baardman J, et al. (2018) A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. Cell reports, 25(8), 2044.

Miret-Casals L, et al. (2018) Identification of New Activators of Mitochondrial Fusion Reveals a Link between Mitochondrial Morphology and Pyrimidine Metabolism. Cell chemical biology, 25(3), 268.