

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 4, 2025

MFN1 antibody

RRID:AB_2266318

Type: Antibody

Proper Citation

(Proteintech Cat# 13798-1-AP, RRID:AB_2266318)

Antibody Information

URL: http://antibodyregistry.org/AB_2266318

Proper Citation: (Proteintech Cat# 13798-1-AP, RRID:AB_2266318)

Target Antigen: MFN1

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.

Applications: WB, IHC, IF, ELISA

Antibody Name: MFN1 antibody

Description: This polyclonal targets MFN1

Target Organism: chicken, monkey, rat, mouse, human

Antibody ID: AB_2266318

Vendor: Proteintech

Catalog Number: 13798-1-AP

Record Creation Time: 20231110T074053+0000

Record Last Update: 20241115T003801+0000

Ratings and Alerts

No rating or validation information has been found for MFN1 antibody.

No alerts have been found for MFN1 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](#).

Zhou J, et al. (2024) Astrocytic LRP1 enables mitochondria transfer to neurons and mitigates brain ischemic stroke by suppressing ARF1 lactylation. *Cell metabolism*, 36(9), 2054.

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

Miao ZF, et al. (2024) Metaplastic regeneration in the mouse stomach requires a reactive oxygen species pathway. *Developmental cell*, 59(9), 1175.

He Y, et al. (2024) Deficient tRNA posttranscription modification dysregulated the mitochondrial quality controls and apoptosis. *iScience*, 27(2), 108883.

Wang C, et al. (2024) Serine synthesis sustains macrophage IL-1 β production via NAD $^{+}$ -dependent protein acetylation. *Molecular cell*, 84(4), 744.

He Y, et al. (2023) Numb/Parkin-directed mitochondrial fitness governs cancer cell fate via metabolic regulation of histone lactylation. *Cell reports*, 42(2), 112033.

Moon SH, et al. (2023) Genetic deletion of skeletal muscle iPLA2 γ results in mitochondrial dysfunction, muscle atrophy and alterations in whole-body energy metabolism. *iScience*, 26(6), 106895.

Shahin S, et al. (2023) MFN1 augmentation prevents retinal degeneration in a Charcot-Marie-Tooth type 2A mouse model. *iScience*, 26(3), 106270.

Sessions DT, et al. (2022) Opa1 and Drp1 reciprocally regulate cristae morphology, ETC function, and NAD $^{+}$ regeneration in KRas-mutant lung adenocarcinoma. *Cell reports*, 41(11), 111818.

Fu J, et al. (2022) GABA regulates IL-1 β production in macrophages. *Cell reports*, 41(10), 111770.

Jiao H, et al. (2021) Mitocytosis, a migrasome-mediated mitochondrial quality-control process. *Cell*, 184(11), 2896.

Lei Y, et al. (2021) Autophagic elimination of ribosomes during spermiogenesis provides energy for flagellar motility. *Developmental cell*, 56(16), 2313.

Liang X, et al. (2021) Conditioned medium from induced pluripotent stem cell-derived mesenchymal stem cells accelerates cutaneous wound healing through enhanced angiogenesis. *Stem cell research & therapy*, 12(1), 295.

Tian Y, et al. (2020) Nestin protects podocyte from injury in lupus nephritis by mitophagy and oxidative stress. *Cell death & disease*, 11(5), 319.

Chung KP, et al. (2019) Mitofusins regulate lipid metabolism to mediate the development of lung fibrosis. *Nature communications*, 10(1), 3390.

Klimova N, et al. (2019) Nicotinamide mononucleotide alters mitochondrial dynamics by SIRT3-dependent mechanism in male mice. *Journal of neuroscience research*, 97(8), 975.

Zhong X, et al. (2019) Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. *Cell metabolism*, 29(4), 979.

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

Sharoar MG, et al. (2016) Dysfunctional tubular endoplasmic reticulum constitutes a pathological feature of Alzheimer's disease. *Molecular psychiatry*, 21(9), 1263.