

Resource Summary Report

Generated by ASWG on Aug 9, 2026

OPA1 antibody

RRID:AB_2810292

Type: Antibody

Proper Citation

Proteintech Cat# 27733-1-AP, RRID:AB_2810292

Antibody Information

URL: http://antibodyregistry.org/AB_2810292

Proper Citation: Proteintech Cat# 27733-1-AP, RRID:AB_2810292

Target Antigen: OPA1

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.
Applications: WB, IP, IHC, IF, ELISA

Antibody Name: OPA1 antibody

Description: This polyclonal targets OPA1

Target Organism: chicken, rat, mouse, human

Antibody ID: AB_2810292

Vendor: Proteintech

Catalog Number: 27733-1-AP

Record Creation Time: 20250819T230823+0000

Record Last Update: 20250820T042429+0000

Ratings and Alerts

No rating or validation information has been found for OPA1 antibody.

No alerts have been found for OPA1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Alsalman M, et al. (2026) Hippocampal CA1 and CA2 dendritic compartment-specific differences in mitochondrial form and function. *Progress in neurobiology*, 262, 102931.

Sun Y, et al. (2026) Lactylation Converts ABHD6 into a Mitochondrial Regulator That Drives Lenvatinib Resistance in Hepatocellular Carcinoma. *Cancer research*, 86(12), 2970.

Guo Y, et al. (2026) Macrophage glycine transporter supports IL-1 β production by modulating the AKT1/mTOR/NLRP3 pathway. *Cell reports*, 45(1), 116683.

Zhang H, et al. (2026) The HEAT repeat protein MROH7 regulates the inflammatory macrophage response via LBP acetylation. *Cell chemical biology*, 33(2), 169.

Tang M, et al. (2025) γ -hydroxybutyrate facilitates mitochondrial-derived vesicle biogenesis and improves mitochondrial functions. *Molecular cell*, 85(7), 1395.

Gong Y, et al. (2025) Harmine derivative H-2-168 induces the death of *Echinococcus granulosus* by regulating mitochondrial fusion and fission. *Pharmaceutical biology*, 63(1), 188.

Alsalman M, et al. (2025) Hippocampal cell- and circuit-specific differences in mitochondrial form and function. *bioRxiv : the preprint server for biology*.

Rosencrans WM, et al. (2025) Putative PINK1/Parkin activators lower the threshold for mitophagy by sensitizing cells to mitochondrial stress. *Science advances*, 11(35), eady0240.

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

Kan T, et al. (2024) Matrix stiffness aggravates osteoarthritis progression through H3K27me3 demethylation induced by mitochondrial damage. *iScience*, 27(8), 110507.

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.

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

Jiang B, et al. (2022) Filamentous GLS1 promotes ROS-induced apoptosis upon glutamine deprivation via insufficient asparagine synthesis. *Molecular cell*, 82(10), 1821.

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

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.