

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

PINK1 antibody

RRID:AB_447627

Type: Antibody

Proper Citation

Abcam Cat# ab23707, RRID:AB_447627

Antibody Information

URL: http://antibodyregistry.org/AB_447627

Proper Citation: Abcam Cat# ab23707, RRID:AB_447627

Target Antigen: PINK1 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunohistochemistry - fixed; Immunofluorescence; Immunohistochemistry; Immunocytochemistry; Western Blot; ICC/IF, IHC-P, WB

Antibody Name: PINK1 antibody

Description: This polyclonal targets PINK1 antibody

Target Organism: rat, mouse, human

Antibody ID: AB_447627

Vendor: Abcam

Catalog Number: ab23707

Record Creation Time: 20231110T081018+0000

Record Last Update: 20260829T135253+0000

Ratings and Alerts

- Head-to-head comparison of available commercial antibodies against Serine/threonine-protein kinase PINK1 by immunoblot (Western blot). - YCHarOS <https://ycharos.com/>

No alerts have been found for PINK1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Vykoukal J, et al. (2025) Vesicle-mediated mitochondrial clearance presents an actionable metabolic vulnerability in triple-negative breast cancer. *Cell reports. Medicine*, 6(12), 102478.

Kelly G, et al. (2024) Suppressed basal mitophagy drives cellular aging phenotypes that can be reversed by a p62-targeting small molecule. *Developmental cell*, 59(15), 1924.

Yen S, et al. (2023) Revisiting the effects of exercise on cerebral neurovascular functions in rats using multimodal assessment techniques. *iScience*, 26(4), 106354.

Dey S, et al. (2023) Investigating the effects of 7-ketocholesterol on retinal pigment epithelium bioenergetics. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(7), e23002.

Xia Q, et al. (2023) Peroxiredoxin 2 is required for the redox mediated adaptation to exercise. *Redox biology*, 60, 102631.

Harsha PK, et al. (2022) Mitochondrial Dysfunction in Rabies Virus-Infected Human and Canine Brains. *Neurochemical research*, 47(6), 1610.

Mo L, et al. (2022) MCM7 supports the stemness of bladder cancer stem-like cells by enhancing autophagic flux. *iScience*, 25(9), 105029.

Inoue R, et al. (2022) Uncoupling protein 2 and aldolase B impact insulin release by modulating mitochondrial function and Ca²⁺ release from the ER. *iScience*, 25(7), 104603.

Roca-Agujetas V, et al. (2021) Cholesterol alters mitophagy by impairing optineurin recruitment and lysosomal clearance in Alzheimer's disease. *Molecular neurodegeneration*, 16(1), 15.

Suliman H, et al. (2021) Annexin A1 Tripeptide Mimetic Increases Sirtuin-3 and Augments Mitochondrial Function to Limit Ischemic Kidney Injury. *Frontiers in physiology*, 12, 683098.

- Ponia SS, et al. (2021) Mitophagy antagonism by ZIKV reveals Ajuba as a regulator of PINK1 signaling, PKR-dependent inflammation, and viral invasion of tissues. *Cell reports*, 37(4), 109888.
- Yang M, et al. (2021) Deletion of the E3 ubiquitin ligase, Parkin, exacerbates chronic alcohol intake-induced cardiomyopathy through an Ambra1-dependent mechanism. *British journal of pharmacology*, 178(4), 964.
- Liang R, et al. (2020) Restraining Lysosomal Activity Preserves Hematopoietic Stem Cell Quiescence and Potency. *Cell stem cell*, 26(3), 359.
- Rawat P, et al. (2019) Human immunodeficiency virus Type-1 single-stranded RNA activates the NLRP3 inflammasome and impairs autophagic clearance of damaged mitochondria in human microglia. *Glia*, 67(5), 802.
- Softic S, et al. (2019) Dietary Sugars Alter Hepatic Fatty Acid Oxidation via Transcriptional and Post-translational Modifications of Mitochondrial Proteins. *Cell metabolism*, 30(4), 735.
- Huang XT, et al. (2018) Iron-induced energy supply deficiency and mitochondrial fragmentation in neurons. *Journal of neurochemistry*, 147(6), 816.
- Baumgartner C, et al. (2018) An ERK-Dependent Feedback Mechanism Prevents Hematopoietic Stem Cell Exhaustion. *Cell stem cell*, 22(6), 879.
- Li C, et al. (2018) PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. *Developmental cell*, 46(4), 441.
- Malty RH, et al. (2017) A Map of Human Mitochondrial Protein Interactions Linked to Neurodegeneration Reveals New Mechanisms of Redox Homeostasis and NF- κ B Signaling. *Cell systems*, 5(6), 564.
- Rojansky R, et al. (2016) Elimination of paternal mitochondria in mouse embryos occurs through autophagic degradation dependent on PARKIN and MUL1. *eLife*, 5.