

Resource Summary Report

Generated by RRID on Aug 2, 2026

GPX4 Antibody

RRID:AB_2924984

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 52455, RRID:AB_2924984

Antibody Information

URL: http://antibodyregistry.org/AB_2924984

Proper Citation: Cell Signaling Technology Cat# 52455, RRID:AB_2924984

Target Antigen: GPX4

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB

Antibody Name: GPX4 Antibody

Description: This polyclonal targets GPX4

Target Organism: monkey, mouse, human

Antibody ID: AB_2924984

Vendor: Cell Signaling Technology

Catalog Number: 52455

Record Creation Time: 20250820T023711+0000

Record Last Update: 20250820T140417+0000

Ratings and Alerts

No rating or validation information has been found for GPX4 Antibody.

No alerts have been found for GPX4 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Koshizuka K, et al. (2025) Genome-Wide CRISPR Screening Reveals That mTOR Inhibition Initiates Ferritinophagy and Ferroptosis in Head and Neck Cancer. *Cancer research*, 85(16), 3032.

Zhou Q, et al. (2025) Vorapaxar enhanced mitochondria-associated ferroptosis primes cancer immunotherapy via targeting FOXO1/HMOX1 axis. *Cell reports. Medicine*, 102371.

He C, et al. (2025) Oroxin A suppresses colorectal tumor growth by regulating the TRIM24-mediated ferroptosis and TSPO pathway. *iScience*, 28(8), 113196.

Zhao S, et al. (2025) NOLC1 suppresses immunochemotherapy by inhibiting p53-mediated ferroptosis in gastric cancer. *eLife*, 13.

Nokin MJ, et al. (2024) In vivo vulnerabilities to GPX4 and HDAC inhibitors in drug-persistent versus drug-resistant BRAFV600E lung adenocarcinoma. *Cell reports. Medicine*, 5(8), 101663.

Giarrizzo M, et al. (2024) TR-107, an Agonist of Caseinolytic Peptidase Proteolytic Subunit, Disrupts Mitochondrial Metabolism and Inhibits the Growth of Human Colorectal Cancer Cells. *Molecular cancer therapeutics*, 23(12), 1761.

Mukherjee D, et al. (2023) Tomatidine targets ATF4-dependent signaling and induces ferroptosis to limit pancreatic cancer progression. *iScience*, 26(8), 107408.

Miki K, et al. (2023) Induction of glioblastoma cell ferroptosis using combined treatment with chloramphenicol and 2-deoxy-D-glucose. *Scientific reports*, 13(1), 10497.

Liu T, et al. (2023) Rapamycin reverses ferroptosis by increasing autophagy in MPTP/MPP⁺-induced models of Parkinson's disease. *Neural regeneration research*, 18(11), 2514.

Zheng Y, et al. (2023) Modulation of cellular metabolism by protein crotonylation regulates pancreatic cancer progression. *Cell reports*, 42(7), 112666.

Zheng Y, et al. (2022) γ -hydroxybutyrate inhibits ferroptosis-mediated pancreatic damage in acute liver failure through the increase of H3K9bhb. *Cell reports*, 41(12), 111847.