

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

Anti-xCT

RRID:AB_2722749

Type: Antibody

Proper Citation

Abcam Cat# ab175186, RRID:AB_2722749

Antibody Information

URL: http://antibodyregistry.org/AB_2722749

Proper Citation: Abcam Cat# ab175186, RRID:AB_2722749

Target Antigen: xCT

Host Organism: rabbit

Clonality: monoclonal

Comments: Suitable for: WB, IP.
Saito T et al. Nat Commun 7:12030 (2016)

Antibody Name: Anti-xCT

Description: This monoclonal targets xCT

Target Organism: rat, mouse, human

Clone ID: EPR8290(2)

Antibody ID: AB_2722749

Vendor: Abcam

Catalog Number: ab175186

Record Creation Time: 20231110T033720+0000

Record Last Update: 20260829T112651+0000

Ratings and Alerts

No rating or validation information has been found for Anti-xCT.

No alerts have been found for Anti-xCT.

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 [RRID](#) .

Sui Y, et al. (2026) Microwave ablation synergizes with LPS to drive abscopal tumor regression associated with ferroptosis in HCC. *iScience*, 29(5), 115560.

Wu M, et al. (2025) Acute hyperglycemia impedes spinal cord injury recovery via triggering excessive ferroptosis of endothelial cells. *International journal of biological macromolecules*, 301, 140453.

Li Z, et al. (2024) Ferroptosis mediated by TNFSF9 interferes in acute ischaemic stroke reperfusion injury with the progression of acute ischaemic stroke. *Journal of neurochemistry*.

Lv H, et al. (2024) USP7 upregulated by TGF- β 1 promotes ferroptosis via inhibiting LATS1-YAP axis in sepsis-induced acute lung injury. *iScience*, 27(6), 109667.

Jiang W, et al. (2024) Targeting the Ferroptosis and Endoplasmic Reticulum Stress Signaling Pathways by CBX7 in Myocardial Ischemia/reperfusion Injury. *Cell biochemistry and biophysics*, 82(3), 2171.

Young TA, et al. (2024) Glutamate Transport Proteins and Metabolic Enzymes are Poor Prognostic Factors in Invasive Lobular Carcinoma. *bioRxiv : the preprint server for biology*.

Zheng H, et al. (2024) Hydrogen sulfide-mediated persulfidation regulates homocysteine metabolism and enhances ferroptosis in non-small cell lung cancer. *Molecular cell*, 84(20), 4016.

Li J, et al. (2024) Bradykinin induces acute kidney injury after hypothermic circulatory arrest through the repression of the Nrf2-xCT pathway. *iScience*, 27(6), 110075.

Yang F, et al. (2023) Ferroptosis heterogeneity in triple-negative breast cancer reveals an innovative immunotherapy combination strategy. *Cell metabolism*, 35(1), 84.

Olukoya AO, et al. (2023) Riluzole Suppresses Growth and Enhances Response to Endocrine Therapy in ER+ Breast Cancer. *Journal of the Endocrine Society*, 7(10), bvad117.

Cui S, et al. (2023) Identification of hyperoxidized PRDX3 as a ferroptosis marker reveals ferroptotic damage in chronic liver diseases. *Molecular cell*, 83(21), 3931.

Dong T, et al. (2023) Activation of Nrf2 signaling pathway by Tectoridin protects against ferroptosis in particulate matter-induced lung injury. *British journal of pharmacology*.

Cahuzac KM, et al. (2023) AKT activation because of PTEN loss upregulates xCT via GSK3 β /NRF2, leading to inhibition of ferroptosis in PTEN-mutant tumor cells. *Cell reports*, 42(5), 112536.

Hu J, et al. (2022) Leonurine alleviates ferroptosis in cisplatin-induced acute kidney injury by activating the Nrf2 signalling pathway. *British journal of pharmacology*, 179(15), 3991.

Kuang F, et al. (2021) MGST1 is a redox-sensitive repressor of ferroptosis in pancreatic cancer cells. *Cell chemical biology*, 28(6), 765.

Kan X, et al. (2021) Newcastle-disease-virus-induced ferroptosis through nutrient deprivation and ferritinophagy in tumor cells. *iScience*, 24(8), 102837.

Yan B, et al. (2021) Membrane Damage during Ferroptosis Is Caused by Oxidation of Phospholipids Catalyzed by the Oxidoreductases POR and CYB5R1. *Molecular cell*, 81(2), 355.

Torrence ME, et al. (2021) The mTORC1-mediated activation of ATF4 promotes protein and glutathione synthesis downstream of growth signals. *eLife*, 10.

Wang X, et al. (2021) Stem Cell Factor SOX2 Confers Ferroptosis Resistance in Lung Cancer via Upregulation of SLC7A11. *Cancer research*, 81(20), 5217.

Ogiwara H, et al. (2019) Targeting the Vulnerability of Glutathione Metabolism in ARID1A-Deficient Cancers. *Cancer cell*, 35(2), 177.