

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 5, 2025

## xCT antibody

RRID:AB\_778944

Type: Antibody

### Proper Citation

(Abcam Cat# ab37185, RRID:AB\_778944)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_778944](http://antibodyregistry.org/AB_778944)

**Proper Citation:** (Abcam Cat# ab37185, RRID:AB\_778944)

**Target Antigen:** xCT antibody

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: Flow Cyt, IHC-FoFr, WB; Immunohistochemistry; Immunohistochemistry - frozen; Western Blot; Flow Cytometry

**Antibody Name:** xCT antibody

**Description:** This polyclonal targets xCT antibody

**Target Organism:** mouse, human

**Antibody ID:** AB\_778944

**Vendor:** Abcam

**Catalog Number:** ab37185

**Record Creation Time:** 20241017T002649+0000

**Record Last Update:** 20241017T021149+0000

## Ratings and Alerts

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

No alerts have been found for xCT antibody.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 15 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

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

Wang X, et al. (2024) Adipocyte-derived ferroptotic signaling mitigates obesity. *Cell metabolism*.

Greenwood HE, et al. (2024) Imaging NRF2 activation in non-small cell lung cancer with positron emission tomography. *Nature communications*, 15(1), 10484.

Swanda RV, et al. (2023) Lysosomal cystine governs ferroptosis sensitivity in cancer via cysteine stress response. *Molecular cell*, 83(18), 3347.

Hu M, et al. (2023) Upregulation of CDGSH iron sulfur domain 2 attenuates cerebral ischemia/reperfusion injury. *Neural regeneration research*, 18(7), 1512.

Tyagi R, et al. (2023) Inositol polyphosphate multikinase modulates redox signaling through nuclear factor erythroid 2-related factor 2 and glutathione metabolism. *iScience*, 26(7), 107199.

Kim J, et al. (2022) KS10076, a chelator for redox-active metal ions, induces ROS-mediated STAT3 degradation in autophagic cell death and eliminates ALDH1+ stem cells. *Cell reports*, 40(3), 111077.

Grzes KM, et al. (2021) Plasmacytoid dendritic cell activation is dependent on coordinated expression of distinct amino acid transporters. *Immunity*, 54(11), 2514.

Kang YP, et al. (2021) Non-canonical Glutamate-Cysteine Ligase Activity Protects against Ferroptosis. *Cell metabolism*, 33(1), 174.

Silva-Adaya D, et al. (2020) Early Neurotoxic Effects of Inorganic Arsenic Modulate Cortical GSH Levels Associated With the Activation of the Nrf2 and NF- $\kappa$ B Pathways, Expression of

Amino Acid Transporters and NMDA Receptors and the Production of Hydrogen Sulfide. *Frontiers in cellular neuroscience*, 14, 17.

Hu CL, et al. (2019) Reduced expression of the ferroptosis inhibitor glutathione peroxidase-4 in multiple sclerosis and experimental autoimmune encephalomyelitis. *Journal of neurochemistry*, 148(3), 426.

Zhang Y, et al. (2019) Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. *Cell chemical biology*, 26(5), 623.

Kang YP, et al. (2019) Cysteine dioxygenase 1 is a metabolic liability for non-small cell lung cancer. *eLife*, 8.

Song X, et al. (2018) AMPK-Mediated BECN1 Phosphorylation Promotes Ferroptosis by Directly Blocking System Xc- Activity. *Current biology : CB*, 28(15), 2388.

Van Liefferinge J, et al. (2016) Comparative analysis of antibodies to xCT (Slc7a11): Forewarned is forearmed. *The Journal of comparative neurology*, 524(5), 1015.