

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

LC3A (D50G8) XP Rabbit mAb

RRID:AB_10548192

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4599, RRID:AB_10548192

Antibody Information

URL: http://antibodyregistry.org/AB_10548192

Proper Citation: Cell Signaling Technology Cat# 4599, RRID:AB_10548192

Target Antigen: LC3A (D50G8) XP Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P. Consolidation on 10/2018: AB_10548192, AB_10858227.

Antibody Name: LC3A (D50G8) XP Rabbit mAb

Description: This monoclonal targets LC3A (D50G8) XP Rabbit mAb

Target Organism: dg, rat, h, canine, m, mouse, r, human, mk

Antibody ID: AB_10548192

Vendor: Cell Signaling Technology

Catalog Number: 4599

Record Creation Time: 20250820T031708+0000

Record Last Update: 20250820T155030+0000

Ratings and Alerts

No rating or validation information has been found for LC3A (D50G8) XP Rabbit mAb.

No alerts have been found for LC3A (D50G8) XP Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Rodriguez MN, et al. (2025) Sex does not influence neuronal autophagosome biogenesis throughout aging in mice. *Molecular biology of the cell*, 36(11), ar135.

Qin L, et al. (2024) Chronic hypoxia stabilizes 3 β HSD1 via autophagy suppression. *Cell reports*, 43(1), 113575.

Yu YY, et al. (2022) Self-developed NF- κ B inhibitor 270 protects against LPS-induced acute kidney injury and lung injury through improving inflammation. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 147, 112615.

Zhao X, et al. (2022) Irradiation combined with PD-L1-/- and autophagy inhibition enhances the antitumor effect of lung cancer via cGAS-STING-mediated T cell activation. *iScience*, 25(8), 104690.

Nguyen TN, et al. (2021) ATG4 family proteins drive phagophore growth independently of the LC3/GABARAP lipidation system. *Molecular cell*, 81(9), 2013.

Zhang Y, et al. (2021) Treatment of acromegaly by rosiglitazone via upregulating 15-PGDH in both pituitary adenoma and liver. *iScience*, 24(9), 102983.

Sakai K, et al. (2021) Functional inhibition of heat shock protein 70 by VER-155008 suppresses pleural mesothelioma cell proliferation via an autophagy mechanism. *Thoracic cancer*, 12(4), 491.

Yao Y, et al. (2020) Amino Acids Enhance Polyubiquitination of Rheb and Its Binding to mTORC1 by Blocking Lysosomal ATXN3 Deubiquitinase Activity. *Molecular cell*, 80(3), 437.

Kudo Y, et al. (2020) PKC δ Loss Induces Autophagy, Oxidative Phosphorylation, and NRF2 to Promote Liver Cancer Progression. *Cancer cell*, 38(2), 247.

Stavoe AK, et al. (2019) Expression of WIPI2B counteracts age-related decline in autophagosome biogenesis in neurons. *eLife*, 8.

Chino H, et al. (2019) Intrinsically Disordered Protein TEX264 Mediates ER-phagy. *Molecular cell*, 74(5), 909.

Man J, et al. (2018) Hypoxic Induction of Vascular Endothelial Growth Factor Regulates Notch1 Turnover to Maintain Glioma Stem-like Cells. *Cell stem cell*, 22(1), 104.

Biering SB, et al. (2017) Viral Replication Complexes Are Targeted by LC3-Guided Interferon-Inducible GTPases. *Cell host & microbe*, 22(1), 74.