

# Resource Summary Report

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## LC3A/B (D3U4C) XP® Rabbit mAb

RRID:AB\_2617131

Type: Antibody

### Proper Citation

(Cell Signaling Technology Cat# 12741, RRID:AB\_2617131)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2617131](http://antibodyregistry.org/AB_2617131)

**Proper Citation:** (Cell Signaling Technology Cat# 12741, RRID:AB\_2617131)

**Target Antigen:** LC3A/B

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** Applications: W, IHC-P, IF-IC, F

**Antibody Name:** LC3A/B (D3U4C) XP® Rabbit mAb

**Description:** This monoclonal targets LC3A/B

**Target Organism:** rat, mouse, human

**Clone ID:** D3U4C

**Antibody ID:** AB\_2617131

**Vendor:** Cell Signaling Technology

**Catalog Number:** 12741

**Record Creation Time:** 20231110T034917+0000

**Record Last Update:** 20240725T033848+0000

### Ratings and Alerts

No rating or validation information has been found for LC3A/B (D3U4C) XP® Rabbit mAb.

No alerts have been found for LC3A/B (D3U4C) XP® Rabbit mAb.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 80 mentions in open access literature.

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

Zheng J, et al. (2025) Endoplasmic reticulum stress and autophagy in cerebral ischemia/reperfusion injury: PERK as a potential target for intervention. Neural regeneration research, 20(5), 1455.

Chopra S, et al. (2024) DEP-1 is a brain insulin receptor phosphatase that prevents the simultaneous activation of counteracting metabolic pathways. Cell reports, 43(12), 114984.

Bagh MB, et al. (2024) Disruption of lysosomal nutrient sensing scaffold contributes to pathogenesis of a fatal neurodegenerative lysosomal storage disease. The Journal of biological chemistry, 300(2), 105641.

Ling H, et al. (2024) HDAC10 inhibition represses melanoma cell growth and BRAF inhibitor resistance via upregulating SPARC expression. NAR cancer, 6(2), zcae018.

Wang X, et al. (2024) hnRNPA2B1 represses the disassembly of arsenite-induced stress granules and is essential for male fertility. Cell reports, 43(2), 113769.

Zou Y, et al. (2024) Contactin -Associated protein1 Regulates Autophagy by Modulating the PI3K/AKT/mTOR Signaling Pathway and ATG4B Levels in Vitro and in Vivo. Molecular neurobiology.

Wang H, et al. (2024) Nucleo-cytosolic acetyl-CoA drives tumor immune evasion by regulating PD-L1 in melanoma. Cell reports, 43(12), 115015.

Chen C, et al. (2024) PRODH safeguards human naive pluripotency by limiting mitochondrial oxidative phosphorylation and reactive oxygen species production. EMBO reports, 25(4), 2015.

Sun J, et al. (2024) Metabolic regulator LKB1 controls adipose tissue ILC2 PD-1 expression and mitochondrial homeostasis to prevent insulin resistance. Immunity, 57(6), 1289.

Deja S, et al. (2024) Hepatic malonyl-CoA synthesis restrains gluconeogenesis by suppressing fat oxidation, pyruvate carboxylation, and amino acid availability. Cell

metabolism.

Ou W, et al. (2024) Spexin inhibits excessive autophagy-induced ferroptosis to alleviate doxorubicin-induced cardiotoxicity by upregulating Beclin 1. *British journal of pharmacology*, 181(21), 4195.

Varadharajan V, et al. (2024) Membrane-bound O-acyltransferase 7 (MBOAT7) shapes lysosomal lipid homeostasis and function to control alcohol-associated liver injury. *eLife*, 12.

Sun Y, et al. (2024) A mitophagy sensor PPTC7 controls BNIP3 and NIX degradation to regulate mitochondrial mass. *Molecular cell*, 84(2), 327.

Lo CH, et al. (2024) Acidic Nanoparticles Restore Lysosomal Acidification and Rescue Metabolic Dysfunction in Pancreatic  $\beta$ -Cells under Lipotoxic Conditions. *ACS nano*, 18(24), 15452.

Tian D, et al. (2024) Bacterial muropeptides promote OXPHOS and suppress mitochondrial stress in mammals. *Cell reports*, 43(4), 114067.

Nagaraju GP, et al. (2024) Mechanism of enhancing chemotherapy efficacy in pancreatic ductal adenocarcinoma with paricalcitol and hydroxychloroquine. *Cell reports. Medicine*, 101881.

Walter S, et al. (2023) Determination of the autophagic flux in murine and human peripheral blood mononuclear cells. *Frontiers in cell and developmental biology*, 11, 1122998.

Rinaldi C, et al. (2023) Dissecting the effects of GTPase and kinase domain mutations on LRRK2 endosomal localization and activity. *Cell reports*, 42(5), 112447.

Guilbaud E, et al. (2023) Cholesterol efflux pathways hinder KRAS-driven lung tumor progenitor cell expansion. *Cell stem cell*, 30(6), 800.

Chen W, et al. (2023) Cold exposure alters lipid metabolism of skeletal muscle through HIF-1 $\alpha$ -induced mitophagy. *BMC biology*, 21(1), 27.