Resource Summary Report

Generated by dkNET on Aug 2, 2026

pBABEpuro GFP-LC3

RRID:Addgene_22405
Type: Plasmid

Proper Citation

RRID:Addgene_22405

Plasmid Information

URL: http://www.addgene.org/22405

Proper Citation: RRID:Addgene_22405

Insert Name: microtubule-associated protein 1 light chain 3 beta

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18094039

Vector Backbone Description: Backbone Marker:Addgene plasmid # 1764; Backbone Size:5169; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. Kabeya Y et al. (EMBO J. 2000 Nov 1. 19(21):5720-8.

Plasmid Name: pBABEpuro GFP-LC3

Record Creation Time: 20220422T222059+0000

Record Last Update: 20260801T081014+0000

Ratings and Alerts

No rating or validation information has been found for pBABEpuro GFP-LC3.

No alerts have been found for pBABEpuro GFP-LC3.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 98 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Liu X, et al. (2025) Calnexin promotes glioblastoma progression by inducing protective mitophagy through the MEK/ERK/BNIP3 pathway. Theranostics, 15(6), 2624.

Drosen ME, et al. (2025) Inactivation of ATG13 stimulates chronic demyelinating pathologies in muscle-serving nerves and spinal cord. Immunologic research, 73(1), 27.

White J, et al. (2025) Phosphorylation of the selective autophagy receptor TAX1BP1 by TBK1 and IKBKE/IKKi promotes ATG8-family protein-dependent clearance of MAVS aggregates. Autophagy, 21(1), 160.

Sikder K, et al. (2024) Perinuclear damage from nuclear envelope deterioration elicits stress responses that contribute to LMNA cardiomyopathy. Science advances, 10(19), eadh0798.

Xu Z, et al. (2024) THSD1 Suppresses Autophagy-Mediated Focal Adhesion Turnover by Modulating the FAK-Beclin 1 Pathway. International journal of molecular sciences, 25(4).

Guo Y, et al. (2023) Elevated levels of FMRP-target MAP1B impair human and mouse neuronal development and mouse social behaviors via autophagy pathway. Nature communications, 14(1), 3801.

Wang L, et al. (2023) LncRP11-675F6.3 responds to rapamycin treatment and reduces triglyceride accumulation via interacting with HK1 in hepatocytes by regulating autophagy and VLDL-related proteins. Acta biochimica et biophysica Sinica, 55(10), 1606.

Shah H, et al. (2023) Autolysosomal activation combined with lysosomal destabilization efficiently targets myeloid leukemia cells for cell death. Frontiers in oncology, 13, 999738.

Ren Z, et al. (2023) Identification of Fangchinoline as a novel autophagy inhibitor with an adjuvant of chemotherapy against lung cancer. Toxicology and applied pharmacology, 477, 116679.

Gardner JO, et al. (2023) LC3-dependent EV loading and secretion (LDELS) promotes TFRC (transferrin receptor) secretion via extracellular vesicles. Autophagy, 19(5), 1551.

Tang B, et al. (2023) MicroRNA-31 induced by Fusobacterium nucleatum infection promotes colorectal cancer tumorigenesis. iScience, 26(5), 106770.

Sun R, et al. (2022) Paeoniflorin Ameliorates BiPN by Reducing IL6 Levels and Regulating PARKIN-Mediated Mitochondrial Autophagy. Drug design, development and therapy, 16, 2241.

Me??e O, et al. (2022) Lipid droplet degradation by autophagy connects mitochondria metabolism to Prox1-driven expression of lymphatic genes and lymphangiogenesis. Nature communications, 13(1), 2760.

Bhutda S, et al. (2022) Differential Ubiquitination as an Effective Strategy Employed by the Blood-Brain Barrier for Prevention of Bacterial Transcytosis. Journal of bacteriology, 204(1), e0045621.

Akter E, et al. (2022) Non-degradable autophagic vacuoles are indispensable for cell competition. Cell reports, 40(9), 111292.

Kedra J, et al. (2021) Axotomy Induces Drp1-Dependent Fragmentation of Axonal Mitochondria. Frontiers in molecular neuroscience, 14, 668670.

Li B, et al. (2021) Nanomechanical Induction of Autophagy-Related Fluorescence in Single Cells with Atomic Force Microscopy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 8(24), e2102989.

Nagano T, et al. (2021) LY6D-induced macropinocytosis as a survival mechanism of senescent cells. The Journal of biological chemistry, 296, 100049.

Su Y, et al. (2021) Role and dynamics of vacuolar pH during cell-in-cell mediated death. Cell death & disease, 12(1), 119.

Kuramoto K, et al. (2021) The autophagy protein Becn1 improves insulin sensitivity by promoting adiponectin secretion via exocyst binding. Cell reports, 35(8), 109184.