Resource Summary Report

Generated by T1D on Aug 1, 2026

Autophagy Database

RRID:SCR_002671
Type: Tool

Proper Citation

Autophagy Database (RRID:SCR_002671)

Resource Information

URL: http://www.tanpaku.org/autophagy/

Proper Citation: Autophagy Database (RRID:SCR_002671)

Description: Database that provides basic, up-to-date information on relevant literature, and a list of autophagy-related proteins and their homologs in eukaryotes.

Abbreviations: Autophagy DB, AutophagyDB

Resource Type: data or information resource, database

Defining Citation: PMID:20972215

Keywords: autophagy, protein, homolog, ortholog, bio.tools

Funding: Japanese Ministry of Education Culture Sports Science and Technology MEXT

Availability: Free, Available for download, Freely available

Resource Name: Autophagy Database

Resource ID: SCR_002671

Alternate IDs: OMICS_03306, biotools:the_autophagy_database, r3d100012565

Alternate URLs: https://bio.tools/the_autophagy_database, https://doi.org/10.17616/R3J786

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Record Creation Time: 20220129T080214+0000

Record Last Update: 20260729T044039+0000

Ratings and Alerts

No rating or validation information has been found for Autophagy Database.

No alerts have been found for Autophagy Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Xie M, et al. (2024) The level of protein in the maternal murine diet modulates the facial appearance of the offspring via mTORC1 signaling. Nature communications, 15(1), 2367.

Xiong D, et al. (2024) Prediction significance of autophagy-related genes in survival probability and drug resistance in diffuse large B-cell lymphoma. Aging, 16(2), 1049.

Bi Y, et al. (2024) CDKL3 shapes immunosuppressive tumor microenvironment and initiates autophagy in esophageal cancer. Frontiers in immunology, 15, 1295011.

Wang S, et al. (2024) VCP enhances autophagy-related osteosarcoma progression by recruiting USP2 to inhibit ubiquitination and degradation of FASN. Cell death & disease, 15(11), 788.

Kim JH, et al. (2021) The hypothalamic-pituitary-gonadal axis controls muscle stem cell senescence through autophagosome clearance. Journal of cachexia, sarcopenia and muscle, 12(1), 177.

Sarmah DT, et al. (2021) Tracing the footsteps of autophagy in computational biology. Briefings in bioinformatics, 22(4).

Imamichi T, et al. (2021) MicroRNA Profiles in Monocyte-Derived Macrophages Generated by Interleukin-27 and Human Serum: Identification of a Novel HIV-Inhibiting and Autophagy-Inducing MicroRNA. International journal of molecular sciences, 22(3).

Laverdure S, et al. (2021) Interleukin-27 promotes autophagy in human serum-induced primary macrophages via an mTOR- and LC3-independent pathway. Scientific reports, 11(1), 14898.

Goodier JL, et al. (2020) C9orf72-associated SMCR8 protein binds in the ubiquitin pathway and with proteins linked with neurological disease. Acta neuropathologica communications, 8(1), 110.

Li S, et al. (2019) Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. Nature communications, 10(1), 1693.

Kozhevnikova OS, et al. (2019) Disruptions of Autophagy in the Rat Retina with Age During the Development of Age-Related-Macular-Degeneration-like Retinopathy. International journal of molecular sciences, 20(19).

Safavi-Rizi V, et al. (2018) Divergent N Deficiency-Dependent Senescence and Transcriptome Response in Developmentally Old and Young Brassica napus Leaves. Frontiers in plant science, 9, 48.

Jacomin AC, et al. (2018) What We Learned From Big Data for Autophagy Research. Frontiers in cell and developmental biology, 6, 92.

Wang NN, et al. (2018) HAMdb: a database of human autophagy modulators with specific pathway and disease information. Journal of cheminformatics, 10(1), 34.

Gojobori T, et al. (2016) VaProS: a database-integration approach for protein/genome information retrieval. Journal of structural and functional genomics, 17(4), 69.

Bowman CJ, et al. (2014) Foxk proteins repress the initiation of starvation-induced atrophy and autophagy programs. Nature cell biology, 16(12), 1202.

Villeneuve LM, et al. (2014) Proteomic analysis of the mitochondria from embryonic and postnatal rat brains reveals response to developmental changes in energy demands. Journal of proteomics, 109, 228.