Resource Summary Report

Generated by kravitz2 on Sep 4, 2026

KEGG

RRID:SCR_012773
Type: Tool

Proper Citation

KEGG (RRID:SCR_012773)

Resource Information

URL: http://www.kegg.jp/

Proper Citation: KEGG (RRID:SCR_012773)

Description: Integrated database resource consisting of 16 main databases, broadly categorized into systems information, genomic information, and chemical information. In particular, gene catalogs in completely sequenced genomes are linked to higher-level systemic functions of cell, organism, and ecosystem. Analysis tools are also available. KEGG may be used as reference knowledge base for biological interpretation of large-scale datasets generated by sequencing and other high-throughput experimental technologies.

Abbreviations: KEGG

Synonyms: KEGG - Kyoto Encyclopedia of Genes and Genomes, Kyoto Encyclopedia of Genes and Genomes

Resource Type: analysis service resource, data access protocol, data analysis service, data or information resource, database, portal, production service resource, service resource, software resource, topical portal, web service

Defining Citation: PMID:22700311, PMID:22130871, PMID:22080510, PMID:19880382, PMID:19172790, PMID:18428742, PMID:18287706, PMID:18077471, PMID:16381885, PMID:16014746, PMID:14681412, PMID:12539951, PMID:11752249, PMID:10928937, PMID:10592173, PMID:9847135

Keywords: model, pathway, functional hierarchy, module, cancer, disease, drug, drug classification, orthology, ortholog, genome, gene, protein, compound, classification, biochemical reaction, pathway, ligand, biosynthesis, pathway prediction, sequence, chemical structure, human, enzyme, database, molecular interaction, metabolism, metabolomics, cellular process, structure, drug development, reaction, cell

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

Availability: Restricted

Resource Name: KEGG

Resource ID: SCR_012773

Alternate IDs: nlx_31015, OMICS_01583, OMICS_03010, OMICS_01582, OMICS_03974, OMICS_05434, OMICS_05360

Alternate URLs: http://www.genome.jp/kegg/

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260903T235157+0000

Ratings and Alerts

No rating or validation information has been found for KEGG.

No alerts have been found for KEGG.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 81488 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Hu B, et al. (2026) Bulk Sequencing Combined With Single-Cell Sequencing Identifies High Expression of VCAN in Fibroblasts Promoting the Progression of High-Stemness Gastric Adenocarcinoma Cells. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(2), e71349.

Liu H, et al. (2026) The genomes of 5 mantises provide insights into sex chromosome evolution and Mantodea phylogeny clarification. GigaScience, 15.

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. Cancer discovery, 16(5), 1014.

Adhikary U, et al. (2026) Cancer Susceptibility to Stapled Oncolytic Peptides Is Dictated by Membrane Cholesterol and Inflammatory Signaling. Cancer research, 86(11), 2810.

Ding Z, et al. (2026) TRAPPC4 Promotes GPX4 Stability to Drive Ferroptosis Resistance and Tumor Progression in Head and Neck Squamous Cell Carcinoma. Cancer research, 86(14), 3436.

Reavis HD, et al. (2026) Alprazolam Reduces Inflammatory Cytokine Production in Pancreatic Cancer-Associated Fibroblasts. Cancer research communications, 6(5), 1048.

Yu K, et al. (2026) Phase II Trial of Ixazomib Combined with Gemcitabine and Doxorubicin in Patients with SMARCB1-Deficient Renal Medullary Carcinoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(10), 1946.

Zhu X, et al. (2026) Ferroptosis-STING co-activation drives GzmB+CD38+CD8+ T-cell expansion to overcome lymphoma immunosuppression. Biomaterials, 334, 124250.

Pasbola K, et al. (2026) Transcriptome profiling reveals the role of XIST/miR-335-5p regulatory axis as a crucial mediator of chemoresistance in esophageal cancer by influencing EMT and Ferroptosis. Functional & integrative genomics, 26(1).

Tran K, et al. (2026) Glioma region-specific metabolites associated with patient seizures. Journal of neuro-oncology, 178(2).

Wang X, et al. (2026) Clinicogenomic Characterization of Primary Sclerosing Cholangitis-Associated Biliary Tract Cancers. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(2), 363.

Sui M, et al. (2026) ACYP2 Induces Temozolomide Resistance in Glioblastoma by Promoting PARP1-Mediated DNA Damage Repair. Molecular cancer research : MCR, 24(1), 7.

Jiang X, et al. (2026) USP20-Driven Cholesterol Metabolism Links Inflammatory Signaling to Malignancy and Stromal Coevolution in Pancreatic Cancer. Cancer research, 86(3), 712.

Sharma S, et al. (2026) MLC1 alteration in human iPSCs give rise to disease-like cellular vacuolation phenotype in the astrocyte lineage. Orphanet journal of rare diseases, 21(1).

Kroehling L, et al. (2026) A highly resolved integrated single-cell atlas of HPV-negative head and neck cancer. Communications medicine, 6(1).

Bai G, et al. (2026) LARS promotes osteosarcoma proliferation through leucine-dependent PRIM2 translation and DNA replication activation. Journal of experimental & clinical cancer research : CR, 45(1).

Zhou Z, et al. (2026) Using an Unbiased Coexpression Network to Reveal Cross-Talking Pathways of Phosphoinositide-3-Kinase Regulatory Subunit 1 in Skin Aging and Rejuvenation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(2), e71466.

Stoiber S, et al. (2026) [18F]FDG PET/CT multiomics identifies Hedgehog-driven HPV-negative head and neck squamous cell carcinoma. Molecular cancer, 25(1).

Petrov VA, et al. (2026) Resistant starch improves Parkinson's disease symptoms through restructuring of the gut microbiome and modulating inflammation. Brain, behavior, and immunity, 132, 106217.

Selvaratnam JS, et al. (2026) HEB collaborates with TCR signaling to upregulate Id3 and enable ????T17 cell maturation in the fetal thymus. eLife, 14.