

Resource Summary Report

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

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

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: 20260804T043505+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 75877 mentions in open access literature.

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

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.

Li H, et al. (2026) PDZRN4 suppresses lung adenocarcinoma progression via inhibiting ubiquitin-mediated HIF-1A degradation. Oncogene, 45(4), 577.

Chen D, et al. (2026) Spatially Resolved Multiomics Reveals Metabolic Remodeling and Autophagy Activation in Adamantinomatous Craniopharyngiomas. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e16965.

Yesupatham SK, et al. (2026) Transcriptome profiling suggests molecular sexual dimorphism in lumbosacral dorsal root ganglia and sex-specific mechanisms underlying visceral pain. Physiological genomics, 58(1), 12.

Sun W, et al. (2026) Targeting of CIRP attenuates osteoarthritis progression via suppressing TLR4/NF- κ B/NLRP3 signaling axis. International journal of molecular

medicine, 57(1).

Chen K, et al. (2026) Liquid-liquid phase separation of PHLDB2 promotes oral squamous cell carcinoma metastasis through regulating epithelial mesenchymal transition and PIK3CA expression. *Molecular medicine reports*, 33(1).

Peng L, et al. (2026) Development of Age- and Sex-Specific Metabolomics-Based Biological Ageing Clocks for 10-Year Mortality Prediction. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e10189.

Zhou X, et al. (2026) Evaluation of garlic skin as a forage source for goats: effects on performance, antioxidant capacity, immune function and ruminal health. *Animal bioscience*, 39(1), 250169.

Zhao L, et al. (2026) Inosine monophosphate overcomes the coexisting resistance of mcr-1 and blaNDM-1 in *Escherichia coli*. *Journal of advanced research*, 79, 331.

Shi X, et al. (2026) Development and validation of a TOP2A based index clinical model for kidney renal clear cell carcinoma. *Translational oncology*, 64, 102625.

Hua L, et al. (2026) Myeloid-Derived CD38 Mediates Age-Related Endometrial Aging Through NAD⁺ Depletion. *Aging cell*, 25(1), e70356.

Zhu J, et al. (2026) The potential immunological mechanisms of gut microbiota dysbiosis caused by antibiotics exacerbate the lethality of influenza viruses. *Gut microbes*, 18(1), 2609451.

Zhang X, et al. (2026) Integrated multi-omics analysis reveals the effects of cage and floor rearing systems on meat quality in Chengkou Mountain chickens. *Poultry science*, 105(1), 106165.

Liu D, et al. (2026) The effect of fermented sea buckthorn products on production performance, egg quality, intestinal health, and antioxidant capacity of laying hens. *Poultry science*, 105(1), 106134.

Tan Q, et al. (2026) A study on the effects of *Dendrobium nobile* polysaccharides on alleviating vomiting toxin-induced oxidative stress in chicken granulosa cells. *Poultry science*, 105(1), 106170.

Pio-Lopez L, et al. (2026) Atavistic Genetic Expression Dissociation (AGED) During Aging: Meta-Phylostratigraphic Evidence of Cellular and Tissue-Level Phylogenetic Dissociation. *Aging cell*, 25(1), e70305.

Liu Q, et al. (2026) Biocontrol efficiency and mechanism of novel *Streptomyces luomodiensis* SCA4-21 against banana *Fusarium* wilt. *Microbiology spectrum*, 14(1), e0296824.

Harrison BR, et al. (2026) Early-Life Climbing Stratifies the Metabolome and Mortality Risk in Genetically Identical Flies. *Aging cell*, 25(1), e70299.

Wei X, et al. (2026) The alterations of the synthetic pathway and metabolic flux of auxin indole-3-acetic acid govern thermotolerance in *Lentinula edodes* mycelia subjected to heat

stress. Microbiology spectrum, 14(1), e0129825.

Safari M, et al. (2026) Comprehensive genomic analysis of a novel *Bacillus cereus* decomposing toluene potentially applicable in bioremediation. Microbiology spectrum, 14(1), e0289224.