Resource Summary Report

Generated by NIF on Apr 8, 2025

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 analysis service, production service resource, topical portal, service resource, database, data access protocol, portal, web service, 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: 20250407T220031+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 64192 mentions in open access literature.

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

Fan M, et al. (2025) Borosilicate bioactive glass synergizing low-dose antibiotic loaded implants to combat bacteria through ATP disruption and oxidative stress to sequentially achieve osseointegration. Bioactive materials, 44, 184.

Ji XY, et al. (2025) Interspecific allelopathic interaction primes direct and indirect resistance in neighboring plants within agroforestry systems. Plant communications, 6(1), 101173.

Xie C, et al. (2025) Transplantation of fecal microbiota from low to high residual feed intake chickens: Impacts on RFI, microbial community and metabolites profiles. Poultry science, 104(1), 104567.

Zhou L, et al. (2025) Targeted antimicrobial self-assembly peptide hydrogel with in situ bio-mimic remineralization for caries management. Bioactive materials, 44, 428.

Luo J, et al. (2025) Machine learning-derived natural killer cell signature predicts prognosis and therapeutic response in clear cell renal cell carcinoma. Translational oncology, 51, 102180.

Otake H, et al. (2025) Semiquantitative analysis of protein expression in heated rat lens using shotgun proteomics. Molecular medicine reports, 31(1).

Yue Y, et al. (2025) PLEKHA4 upregulation regulates KIRC cell proliferation through ??catenin signaling. Molecular medicine reports, 31(1).

Qu X, et al. (2025) Macrophage Dvl2 deficiency promotes NOD1-Driven pyroptosis and exacerbates inflammatory liver injury. Redox biology, 79, 103455.

Tian Y, et al. (2025) gga-miR-6634-5p Affects the proliferation and steroid hormone secretion of chicken (Gallus Gallus) granulosa cells by targeting MMP16. Poultry science, 104(1), 104624.

Rostamzadeh Mahdabi E, et al. (2025) Comparative Analysis of Runs of Homozygosity Islands in Indigenous and Commercial Chickens Revealed Candidate Loci for Disease Resistance and Production Traits. Veterinary medicine and science, 11(1), e70074.

Dong Z, et al. (2025) A KSHV-targeted small molecule efficiently blocks SARS-CoV-2 infection via inhibiting expression of EGFR and Cyclin A2. Emerging microbes & infections, 14(1), 2440490.

Elsworthy RJ, et al. (2025) Altered metabolic function induced by A?-oligomers and PSEN1 mutations in iPSC-derived astrocytes. Journal of neurochemistry, 169(1), e16267.

Zhuo J, et al. (2025) Heart Failure Is Closely Associated With the Expression Characteristics of Type I Interferon-Related Genes. Clinical cardiology, 48(1), e70063.

Grüterich L, et al. (2025) Assessing environmental gradients in relation to dark CO2 fixation in estuarine wetland microbiomes. Applied and environmental microbiology, 91(1), e0217724.

Inskeep WP, et al. (2025) Respiratory processes of early-evolved hyperthermophiles in sulfidic and low-oxygen geothermal microbial communities. Nature communications, 16(1), 277.

Assis BA, et al. (2025) Genomic signatures of adaptation in native lizards exposed to human-introduced fire ants. Nature communications, 16(1), 89.

Alsaed B, et al. (2025) Intratumor heterogeneity of EGFR expression mediates targeted therapy resistance and formation of drug tolerant microenvironment. Nature communications, 16(1), 28.

Rüttiger AS, et al. (2025) The global RNA-binding protein RbpB is a regulator of polysaccharide utilization in Bacteroides thetaiotaomicron. Nature communications, 16(1), 208.

Yi Y, et al. (2025) Mitochondrial-cytochrome c oxidase II promotes glutaminolysis to sustain tumor cell survival upon glucose deprivation. Nature communications, 16(1), 212.

Yang H, et al. (2025) Prognostic signature and therapeutic drug identification for dilated cardiomyopathy based on necroptosis via bioinformatics and experimental validation. Scientific reports, 15(1), 319.