Resource Summary Report

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Signaling Pathways Project

RRID:SCR_018412
Type: Tool

Proper Citation

Signaling Pathways Project (RRID:SCR_018412)

Resource Information

URL: https://signalingpathways.org

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Description: Web multi omics knowledgebase based upon public, manually curated transcriptomic and cistromic datasets involving genetic and small molecule manipulations of cellular receptors, enzymes and transcription factors. Integrated omics knowledgebase for mammalian cellular signaling pathways. Web browser interface was designed to accommodate numerous routine data mining strategies. Datasets are biocurated versions of publically archived datasets and are formatted according to recommendations of the FORCE11 Joint Declaration on Data Citation Principles73, and are made available under Creative Commons CC 3.0 BY license. Original datasets are available.

Abbreviations: SPP

Resource Type: data or information resource, database

Defining Citation: PMID:31672983

Keywords: Data integration, genetic database, gene regulatory network, cell signalling, cellular signalling network, transcriptomic data, manualy curated, cistromic data, cellular receptor, enzyme, transcrptomic factor, mammalian cellular signaling pathway, data mining strategy, dataset, , bio.tools

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NIDDK DK107535;

NIDDK DK48807;
NIDDK DK56338

Availability: Free, Freely available

Resource Name: Signaling Pathways Project

Resource ID: SCR_018412

Alternate IDs: r3d100013650, biotools:Signaling_Pathways_Project

Alternate URLs: https://bio.tools/Signaling_Pathways_Project, https://doi.org/10.17616/R31NJN0Y

Old URLs: https://www.signalingpathways.org

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260821T194129+0000

Ratings and Alerts

No rating or validation information has been found for Signaling Pathways Project.

No alerts have been found for Signaling Pathways Project.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Chen Y, et al. (2026) Farnesyltransferase Deficiency in Cardiomyocytes Initiates Senescence and Contributes to Cardiac Fibrosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(26), e11530.

Shen J, et al. (2025) The role of SPI1/VSIG4/THBS1 on glioblastoma progression through modulation of the PI3K/AKT pathway. Journal of advanced research, 71, 487.

Su X, et al. (2025) Bone marrow-derived mesenchymal stem cell ameliorates post-stroke enterobacterial translocation through liver-gut axis. Stroke and vascular neurology, 10(3), 359.

Wu JH, et al. (2025) TTK Inhibition Alleviates Postinjury Neointimal Formation and Atherosclerosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(6), e2409250.

Zhang X, et al. (2025) CCAAT/enhancer binding protein beta (C/EBP?) regulates the formation of the ovarian reserve. Communications biology, 8(1), 1394.

Seasock MJ, et al. (2025) Let-7 restrains an epigenetic circuit in AT2 cells to prevent fibrogenic intermediates in pulmonary fibrosis. Nature communications, 16(1), 4353.

Lin Q, et al. (2025) Cancer Biology of GSPT1: Mechanisms and Targeted Therapy Opportunities of Molecular Glue Degraders. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(47), e11789.

Li C, et al. (2025) NOTCH3 Mutation Causes Glymphatic Impairment and Promotes Brain Senescence in CADASIL. CNS neuroscience & therapeutics, 31(1), e70140.

Calle X, et al. (2025) 17-beta estradiol prevents cardiac myocyte hypertrophy by regulating mitochondrial E3 ubiquitin ligase 1. Cell death & disease, 16(1), 111.

Chen H, et al. (2025) Maternal behavior promotes resilience to adolescent stress in mice through a microglia-neuron axis. Nature communications, 16(1), 2333.

Xu T, et al. (2024) Ophiopogonin D' inhibited tumour growth and metastasis of anaplastic thyroid cancer by modulating JUN/RGS4 signalling. Journal of cellular and molecular medicine, 28(16), e70014.

Wei X, et al. (2024) Super-enhancer-driven ZFP36L1 promotes PD-L1 expression in infiltrative gastric cancer. eLife, 13.

Zhuang J, et al. (2023) PCSK9, a novel immune and ferroptosis related gene in abdominal aortic aneurysm neck. Scientific reports, 13(1), 6054.

Zhang GP, et al. (2023) Mechanical confinement promotes heat resistance of hepatocellular carcinoma via SP1/IL4I1/AHR axis. Cell reports. Medicine, 4(8), 101128.

Cheng R, et al. (2023) A Combinatorial Regulatory Platform Determines Expression of RNA Polymerase III Subunit RPC7? (POLR3G) in Cancer. Cancers, 15(20).

Xu L, et al. (2023) hsa_circ_0007919 induces LIG1 transcription by binding to FOXA1/TET1 to enhance the DNA damage response and promote gemcitabine resistance in pancreatic ductal adenocarcinoma. Molecular cancer, 22(1), 195.

Tan W, et al. (2022) Hsp90 Inhibitor STA9090 induced VPS35 related extracellular vesicle release and metastasis in hepatocellular carcinoma. Translational oncology, 26, 101502.

Lu W, et al. (2022) PDGFD switches on stem cell endothelial commitment. Angiogenesis, 25(4), 517.

Wang Q, et al. (2022) Comprehensive analysis identified a reduction in ATP1A2 mediated by ARID3A in abdominal aortic aneurysm. Journal of cellular and molecular medicine, 26(10), 2866.

Chiang JYL, et al. (2022) Discovery of farnesoid X receptor and its role in bile acid metabolism. Molecular and cellular endocrinology, 548, 111618.