

Resource Summary Report

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Signal Transduction Knowledge Environment - Database of Cell Signaling

RRID:SCR_001861

Type: Tool

Proper Citation

Signal Transduction Knowledge Environment - Database of Cell Signaling
(RRID:SCR_001861)

Resource Information

URL: <http://stke.sciencemag.org/cm/>

Proper Citation: Signal Transduction Knowledge Environment - Database of Cell Signaling (RRID:SCR_001861)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 23, 2022. This database provides information on the components of cellular signaling pathways and their relations to one another, which are organized into pathways called Connections Maps, which serve as the graphical interface into the database. Access to the database is free. Scientists with expertise in a given field, designated as Pathway Authorities, provide the information. With canonical or general data about cell signaling, as well as specific data about particular signaling processes in specific organisms and cells, there is information for both novices to cell signaling and experts. The Connections Maps are dynamically generated graphical interface to a database of information on the components of cellular signaling pathways and their relations to one another. Information is provided by pathway authorities with expertise in a given field. These Maps provide information on Canonical Pathways -- idealized or generalized pathways that represent common properties of a particular signaling module or pathway. Sponsors: This database is supported by AAAS.

Synonyms: STKE DB

Resource Type: data or information resource, database

Defining Citation: [PMID:12438188](#)

Keywords: canonical, cell, cellular, connection map, graphical interface, organism, signaling module, signaling pathway

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Signal Transduction Knowledge Environment - Database of Cell Signaling

Resource ID: SCR_001861

Alternate IDs: nif-0000-10426

Record Creation Time: 20220129T080210+0000

Record Last Update: 20260829T182913+0000

Ratings and Alerts

No rating or validation information has been found for Signal Transduction Knowledge Environment - Database of Cell Signaling.

No alerts have been found for Signal Transduction Knowledge Environment - Database of Cell Signaling.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Silverbush D, et al. (2019) A systematic approach to orient the human protein-protein interaction network. Nature communications, 10(1), 3015.

Moss TJ, et al. (2015) Genome-wide perturbations by miRNAs map onto functional cellular pathways, identifying regulators of chromatin modifiers. NPJ systems biology and applications, 1, 15001.

Vinayagam A, et al. (2014) Integrating protein-protein interaction networks with phenotypes reveals signs of interactions. Nature methods, 11(1), 94.

Raju R, et al. (2014) A Network Map of FGF-1/FGFR Signaling System. Journal of signal transduction, 2014, 962962.

Cheng HC, et al. (2014) NetworkViewer: visualizing biochemical reaction networks with embedded rendering of molecular interaction rules. BMC systems biology, 8, 70.

SanGiovanni JP, et al. (2013) AMD-associated genes encoding stress-activated MAPK pathway constituents are identified by interval-based enrichment analysis. PloS one, 8(8), e71239.

Telikicherla D, et al. (2011) A comprehensive curated resource for follicle stimulating hormone signaling. BMC research notes, 4, 408.

Lu Y, et al. (2011) Kinome siRNA-phosphoproteomic screen identifies networks regulating AKT signaling. Oncogene, 30(45), 4567.

Yamamoto S, et al. (2011) INOH: ontology-based highly structured database of signal transduction pathways. Database : the journal of biological databases and curation, 2011, bar052.

Gitter A, et al. (2011) Discovering pathways by orienting edges in protein interaction networks. Nucleic acids research, 39(4), e22.

Patil S, et al. (2010) Signaling network of dendritic cells in response to pathogens: a community-input supported knowledgebase. BMC systems biology, 4, 137.

Kandasamy K, et al. (2010) NetPath: a public resource of curated signal transduction pathways. Genome biology, 11(1), R3.

Currie RA, et al. (2005) Mapping molecular responses to xenoestrogens through Gene Ontology and pathway analysis of toxicogenomic data. Reproductive toxicology (Elmsford, N.Y.), 20(3), 433.

Miller JR, et al. (2002) The Wnts. Genome biology, 3(1), REVIEWS3001.