

Resource Summary Report

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hiPathDB - human integrated Pathway DB with facile visualization

RRID:SCR_008900

Type: Tool

Proper Citation

hiPathDB - human integrated Pathway DB with facile visualization (RRID:SCR_008900)

Resource Information

URL: <http://hipathdb.kobic.re.kr/>

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Description: hiPathDB is an integrated pathway database that combines the curated human pathway data of NCI-Nature PID, Reactome, BioCarta and KEGG. In total, it includes 1661 pathways consisting of 8976 distinct physical entities. (2010.03.09) hiPathDB provides two different types of integration. The pathway-level integration, conceptually a simple collection of individual pathways, was achieved by devising an elaborate model that takes distinct features of four databases into account and subsequently reformatting all pathways in accordance with our model. The entity-level integration creates a single unified pathway that encompasses all pathways by merging common components. Even though the detailed molecular-level information such as complex formation or post-translational modifications tends to be lost, such integration makes it possible to investigate signaling network over the entire pathways and allows identification of pathway cross-talks. Another strong merit of hiPathDB is the built-in pathway visualization module that supports explorative studies of complex networks in an interactive fashion. The layout algorithm is optimized for virtually automatic visualization of the pathways.

Abbreviations: hiPathDB

Synonyms: Human Integrated Pathway Database

Resource Type: data or information resource, database

Defining Citation: [PMID:22123737](#)

Keywords: pathway, gene, compound, interaction, bio.tools

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Korean Ministry of Education Science and Technology 2011-000232;
Korean Ministry of Education Science and Technology 2011-0019745;
Korean Ministry of Education Science and Technology R15-2006-020

Resource Name: hiPathDB - human integrated Pathway DB with facile visualization

Resource ID: SCR_008900

Alternate IDs: nlx_151413, biotools:hipathdb

Alternate URLs: <https://bio.tools/hipathdb>

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260905T133155+0000

Ratings and Alerts

No rating or validation information has been found for hiPathDB - human integrated Pathway DB with facile visualization.

No alerts have been found for hiPathDB - human integrated Pathway DB with facile visualization.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Masters TL, et al. (2022) Human transcriptomic response to periprosthetic joint infection. Gene, 825, 146400.

Ahadi A, et al. (2017) miRTar2GO: a novel rule-based model learning method for cell line specific microRNA target prediction that integrates Ago2 CLIP-Seq and validated microRNA-target interaction data. Nucleic acids research, 45(6), e42.

Anderson RE, et al. (2017) Genomic variation in microbial populations inhabiting the marine seafloor at deep-sea hydrothermal vents. Nature communications, 8(1), 1114.