

Resource Summary Report

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ReactomePA

RRID:SCR_019316

Type: Tool

Proper Citation

ReactomePA (RRID:SCR_019316)

Resource Information

URL: <https://bioconductor.org/packages/ReactomePA/>

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Description: Software R package provides functions for pathway analysis based on REACTOME pathway database. It implements enrichment analysis, gene set enrichment analysis and several functions for visualization.

Synonyms: Reactome Pathway Analysis

Resource Type: data analysis software, data processing software, data visualization software, software application, software resource

Defining Citation: [PMID:26661513](#)

Keywords: pathway analysis, REACTOME pathway, REACTOME database, enrichment analysis, gene set enrichment analysis, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: ReactomePA

Resource ID: SCR_019316

Alternate IDs: biotools:reactomepa

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

License: GPL v2

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260905T132848+0000

Ratings and Alerts

No rating or validation information has been found for ReactomePA.

No alerts have been found for ReactomePA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 86 mentions in open access literature.

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

Wang Z, et al. (2026) Deciphering pathogenic mechanisms of BDCPP exposure in endometrial cancer progression via an integrated approach combining network toxicology, machine learning, and molecular docking. *International journal of surgery (London, England)*, 112(1), 583.

Jansen J, et al. (2026) Blocking Host Factors IAP and DDX3 Activates HIV-1 Transcription and Increases Apoptosis Sensitivity of HIV-1 Infected Cells. *Pathogens (Basel, Switzerland)*, 15(6).

Citron F, et al. (2026) DPY30 Is an Epigenetic Decoupler Linking Replication Stress to Immunoediting in Pancreatic Cancer. *Cancer research*, 86(12), 2837.

Shimelis H, et al. (2026) Shared and distinct phenotypic profiles among neurodevelopmental disorder genes. *medRxiv : the preprint server for health sciences*.

Hacioglu N, et al. (2026) Hypoxia-driven transcriptional activation of MIR100HG by HIF-1? contributes to adaptive gene regulation in hepatocellular carcinoma. *Functional & integrative genomics*, 26(1).

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).

Zhong L, et al. (2026) scDEcrypter: Uncertainty-aware differential expression analysis for viral infection in scRNA-seq. *bioRxiv : the preprint server for biology*.

Preston R, et al. (2026) Accelerated basement membrane remodeling and serum matrix fragments as biomarkers of fibrosis in Alport syndrome. *Cell reports*, 45(5), 117356.

Schulz A, et al. (2026) LAMA5 links extracellular matrix organization to a candidate WNT-associated endothelial signaling niche during human chondrogenesis. *iScience*, 29(8), 116687.

Yekedüz E, et al. (2026) Integrative Clinical and Molecular Evaluation of Renal Cell Carcinoma with Merlin Protein Deficiency and Biallelic Loss of NF2. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(6),

Cumming J, et al. (2025) Dissecting FAP+ Cell Diversity in Pancreatic Cancer Uncovers an Interferon-Response Subtype of Cancer-Associated Fibroblasts with Tumor-Restraining Properties. *Cancer research*, 85(13), 2388.

An DW, et al. (2025) Urinary Proteomics and Systems Biology Link Eight Proteins to the Higher Risk of Hypertension and Related Complications in Blacks Versus Whites. *Proteomics*, 25(11-12), e202400207.

Fusco L, et al. (2025) Nanoplastics: Immune Impact, Detection, and Internalization after Human Blood Exposure by Single-Cell Mass Cytometry. *Advanced materials (Deerfield Beach, Fla.)*, 37(12), e2413413.

Cruz L, et al. (2025) Intracellular and Extracellular Vesicle miRNA Signatures in Human iPSC-Derived Neural Stem Cells and Floor Plate Progenitors. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(16), e70958.

Yuan Y, et al. (2025) Single-cell sequencing reveals the features of adaptive immune responses in the liver of a mouse model of dengue fever. *Animal models and experimental medicine*, 8(1), 30.

Ziegler DV, et al. (2025) CDK4 inactivation inhibits apoptosis via mitochondria-ER contact remodeling in triple-negative breast cancer. *Nature communications*, 16(1), 541.

Li F, et al. (2025) CHAMP1 complex directs heterochromatin assembly and promotes homology-directed DNA repair. *Nature communications*, 16(1), 1714.

Turewicz M, et al. (2025) Temporal phosphoproteomics reveals circuitry of phased propagation in insulin signaling. *Nature communications*, 16(1), 1570.

Peters L, et al. (2025) MicroRNA-26b protects against MASH development in mice and can be efficiently targeted with lipid nanoparticles. *eLife*, 13.

Zhang A, et al. (2025) Sustained-Release Photothermal Microneedles for Postoperative Incisional Analgesia and Wound Healing via Hydrogen Therapy. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 12(35), e03698.