

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 processing software, data analysis software, data visualization software, software resource, software application

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: 20260731T043046+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 76 mentions in open access literature.

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

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.

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

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.

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

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

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

Lepore Signorile M, et al. (2025) Tailoring a novel colorectal cancer stem cell-targeted therapy by inhibiting the SMYD3/c-MYC axis. *Signal transduction and targeted therapy*, 10(1), 206.

Sato S, et al. (2025) Conditioned media of stem cells from human exfoliated deciduous teeth contain factors related to extracellular matrix organization and promotes corneal epithelial wound healing. *Regenerative therapy*, 29, 148.

Bianchini R, et al. (2025) Molecular Signatures and Functional Pathways of Human Monocytes and Macrophages in Allergy: An EAACI AllergoOncology Scoping Review. *Allergy*, 80(10), 2710.

Costa IP, et al. (2025) AQP7 deficiency drives adipose tissue remodeling and disrupts homeostasis. *npj metabolic health and disease*, 3(1), 44.

Kim SC, et al. (2024) Effects of simulated microgravity on colorectal cancer organoids growth and drug response. *Scientific reports*, 14(1), 25526.

Chua EW, et al. (2024) A concise guide to essential R packages for analyses of DNA, RNA, and proteins. *Molecules and cells*, 47(11), 100120.

Tondi S, et al. (2024) Molecular Signature of Monocytes Shaped by the *Shigella sonnei* 1790-Generalized Modules for Membrane Antigens Vaccine. *International journal of molecular sciences*, 25(2).

Hashemi E, et al. (2024) Transcriptomic diversity of innate lymphoid cells in human lymph nodes compared to BM and spleen. *Communications biology*, 7(1), 769.

Inciuraite R, et al. (2024) The microRNA expression in crypt-top and crypt-bottom colonic epithelial cell populations demonstrates cell-type specificity and correlates with endoscopic activity in ulcerative colitis. *Journal of Crohn's & colitis*, 18(12), 2033.

Brasileiro-Martins LM, et al. (2024) Urinary proteomics reveals biological processes related to acute kidney injury in *Bothrops atrox* envenomings. *PLoS neglected tropical diseases*, 18(3), e0012072.