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

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: 20260728T043600+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 SPARC SAWG .

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.

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.

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.

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.

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.

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.

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

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

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.

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.

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.

Majid QA, et al. (2024) Generation and characterisation of scalable and stable human pluripotent stem cell-derived microvascular-like endothelial cells for cardiac applications. Angiogenesis, 27(3), 561.