Reactome
RRID:SCR_003485
Type: Tool

Proper Citation

Reactome (RRID:SCR_003485)

Resource Information

URL: http://www.reactome.org

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Description: Collection of pathways and pathway annotations. The core unit of the Reactome data model is the reaction. Entities (nucleic acids, proteins, complexes and small molecules) participating in reactions form a network of biological interactions and are grouped into pathways (signaling, innate and acquired immune function, transcriptional regulation, translation, apoptosis and classical intermediary metabolism). Provides website to navigate pathway knowledge and a suite of data analysis tools to support the pathway-based analysis of complex experimental and computational data sets.

Synonyms: Reactome Functional Interaction Network

Resource Type: database, analysis service resource, service resource, data or information resource, production service resource, data analysis service

Defining Citation: PMID:21082427, PMID:21067998

Keywords: pathway, interaction, reaction, nucleic acid, protein, complex, small molecule, signaling pathway, immune function, transcriptional regulation, translation, apoptosis, metabolism, ortholog, visualization, protein-protein interaction, web service, book, biomart, gold standard, bio.tools, FASEB list

Funding Agency: Ontario Research Fund, European Molecular Biology Laboratory, NHGRI, European Union FP6 ENFIN, NIGMS, NIGMS

Availability: Open source, Public, Freely available
Resource Name: Reactome
Resource ID: SCR_003485
Alternate IDs: nif-0000-03390, biotools:reactome
Alternate URLs: https://bio.tools/reactome

Ratings and Alerts

No rating or validation information has been found for Reactome.
No alerts have been found for Reactome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2556 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.


Fuentes-Fayos AC, et al. (2023) Metformin and simvastatin exert additive antitumour effects in glioblastoma via senescence-state: clinical and translational evidence. EBioMedicine, 90, 104484.


Petrocelli JJ, et al. (2023) Cellular senescence and disrupted proteostasis induced by myotube atrophy are prevented with low-dose metformin and leucine cocktail. Aging, 15(6), 1808.


Moritz AH, et al. (2023) Comparative efficacy of tannin-free grain sorghum varieties for the control of necrotic enteritis caused by Clostridium perfringens in broiler chickens. Poultry science, 102(2), 102300.


Wongchang T, et al. (2023) Inhibition of DYRK1B suppresses inflammation in allergic contact dermatitis model and Th1/Th17 immune response. Scientific reports, 13(1), 7058.


