

Resource Summary Report

Generated by [dkNET](#) on May 11, 2025

Vesiclepedia

RRID:SCR_019011

Type: Tool

Proper Citation

Vesiclepedia (RRID:SCR_019011)

Resource Information

URL: <http://www.microvesicles.org/>

Proper Citation: Vesiclepedia (RRID:SCR_019011)

Description: Web based database of proteins, RNA, lipids and metabolites that are identified in extracellular vesicles. Compendium for extracellular vesicles with continuous community annotation and with manually curated data from published literature.

Synonyms: Vesiclepedia 2019

Resource Type: storage service resource, data or information resource, service resource, database, data repository

Defining Citation: [DOI:10.1371/journal.pbio.1001450](https://doi.org/10.1371/journal.pbio.1001450), [DOI:10.1093/nar/gky1029](https://doi.org/10.1093/nar/gky1029)

Keywords: Extracellular vesicles, gene information, molecule information, protein, RNA, lipid, metabolite, gene ontology, annotation, external references, FASEB list

Funding: Australian Research Council ;
NHMRC project grant

Availability: Free, Freely available

Resource Name: Vesiclepedia

Resource ID: SCR_019011

Record Creation Time: 20220129T080343+0000

Record Last Update: 20250509T060312+0000

Ratings and Alerts

No rating or validation information has been found for Vesiclepedia.

No alerts have been found for Vesiclepedia.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 129 mentions in open access literature.

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

Chitti SV, et al. (2024) Vesiclepedia 2024: an extracellular vesicles and extracellular particles repository. Nucleic acids research, 52(D1), D1694.

Al-Sharabi N, et al. (2024) Osteogenic human MSC-derived extracellular vesicles regulate MSC activity and osteogenic differentiation and promote bone regeneration in a rat calvarial defect model. Stem cell research & therapy, 15(1), 33.

Kesidou D, et al. (2024) Extracellular vesicles from differentiated stem cells contain novel proangiogenic miRNAs and induce angiogenic responses at low doses. Molecular therapy : the journal of the American Society of Gene Therapy, 32(1), 185.

René CA, et al. (2024) Bioengineering extracellular vesicle cargo for optimal therapeutic efficiency. Molecular therapy. Methods & clinical development, 32(2), 101259.

Schiera G, et al. (2024) Role of Extracellular Vesicles in the Progression of Brain Tumors. Biology, 13(8).

Boulestreau J, et al. (2024) Salivary extracellular vesicles isolation methods impact the robustness of downstream biomarkers detection. Scientific reports, 14(1), 31233.

Dey S, et al. (2024) Extracellular Vesicles in Malaria: Shedding Light on Pathogenic Depths. ACS infectious diseases, 10(3), 827.

Walzik D, et al. (2024) Molecular insights of exercise therapy in disease prevention and treatment. Signal transduction and targeted therapy, 9(1), 138.

Rizzuto AS, et al. (2024) Exploring the role of epicardial adipose-tissue-derived extracellular vesicles in cardiovascular diseases. iScience, 27(4), 109359.

Bertuccini L, et al. (2024) Unveiling Cryptosporidium parvum sporozoite-derived extracellular vesicles: profiling, origin, and protein composition. Frontiers in cellular and infection

microbiology, 14, 1367359.

Fernández-Rhodes M, et al. (2024) Extracellular vesicles may provide an alternative detoxification pathway during skeletal muscle myoblast ageing. *Journal of extracellular biology*, 3(8), e171.

Din MAU, et al. (2024) Therapeutic role of extracellular vesicles from human umbilical cord mesenchymal stem cells and their wide therapeutic implications in inflammatory bowel disease and other inflammatory disorder. *Frontiers in medicine*, 11, 1406547.

Palakurthi SS, et al. (2024) A comprehensive review of challenges and advances in exosome-based drug delivery systems. *Nanoscale advances*, 6(23), 5803.

Suchankova M, et al. (2024) The bronchoalveolar lavage fluid CD44 as a marker for pulmonary fibrosis in diffuse parenchymal lung diseases. *Frontiers in immunology*, 15, 1479458.

Xu G, et al. (2024) Proteomic Profiling of Serum Extracellular Vesicles Identifies Diagnostic Signatures and Therapeutic Targets in Breast Cancer. *Cancer research*, 84(19), 3267.

Lofaro FD, et al. (2024) Fibroblasts' secretome from calcified and non-calcified dermis in Pseudoxanthoma elasticum differently contributes to elastin calcification. *Communications biology*, 7(1), 577.

Arredondo-Damián JG, et al. (2024) Systematic review and bioinformatics analysis of plasma and serum extracellular vesicles proteome in type 2 diabetes. *Heliyon*, 10(3), e25537.

Burgy O, et al. (2024) Fibroblast-derived extracellular vesicles contain SFRP1 and mediate pulmonary fibrosis. *JCI insight*, 9(18).

Guo Z, et al. (2024) Blood-based CNS regionally and neuronally enriched extracellular vesicles carrying pTau217 for Alzheimer's disease diagnosis and differential diagnosis. *Acta neuropathologica communications*, 12(1), 38.

Waurly K, et al. (2024) Proteome encoded determinants of protein sorting into extracellular vesicles. *Journal of extracellular biology*, 3(1), e120.