Resource Summary Report

Generated by NIF on May 8, 2025

Antibodypedia

RRID:SCR_012782
Type: Tool

Proper Citation

Antibodypedia (RRID:SCR_012782)

Resource Information

URL: http://www.antibodypedia.com/

Proper Citation: Antibodypedia (RRID:SCR_012782)

Description: Open-access database of antibodies against human proteins developed through collaboration between Antibodypedia AB and the Nature Publishing Group. It aims to provide the scientific community and antibody distributors alike with information on the effectiveness of specific antibodies in specific applications--to help scientists select the right antibody for the right application. Antibodypedia's mission is to promote the functional understanding of the human proteome and expedite analysis of potential biomarkers discovered through clinical efforts. To this end, they have developed an open-access, curated, searchable database containing annotated and scored affinity reagents to aid users in selecting antibodies tailored to specific biological and biomedical assays. They envisage Antibodypedia as a virtual repository of validated antibodies against all human, and ultimately most model-organism, proteins. Such a tool will be exploitable to identify affinity reagents to document protein expression patterns in normal and pathological states and to purify proteins alone and in complex for structural and functional analyses. They hope to promote characterization of the roles and interplay of proteins and complexes in human health and disease. They encourage commercial providers to submit information regarding their inventory of antibodies with links to quality control data. Independent users can submit their own application-specific experimental data using standard validation criteria (supportive or non-supportive) developed with the assistance of an international advisory board recruited from academic research institutions. Users can also comment on specific antibodies without submitting validation data.

Synonyms: Antibodypedia / Nature

Resource Type: data or information resource, database

Defining Citation: PMID:18667413, PMID:18767878

Keywords: cell biology, antibody, protein, human, reagent, model organism, non-human primate, FASEB list

Funding: Antibodypedia AB ;
Nature Publishing Group ;
European Union 6th framework - ProteomeBinders ;
Human Antibody Initiative ;
HUPO - Human Proteome Organisation

Availability: The community can contribute to this resource

Resource Name: Antibodypedia

Resource ID: SCR_012782

Alternate IDs: nif-0000-22918, OMICS_01770

Record Creation Time: 20220129T080312+0000

Record Last Update: 20250507T060852+0000

Ratings and Alerts

No rating or validation information has been found for Antibodypedia.

No alerts have been found for Antibodypedia.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Bonilla DL, et al. (2024) The Power of Reagent Titration in Flow Cytometry. Cells, 13(20).

Morey A, et al. (2024) The EV antibody database: An interactive database of curated antibodies for extracellular vesicle and nanoparticle research. Extracellular vesicle, 3.

Kahn RA, et al. (2024) Antibody characterization is critical to enhance reproducibility in biomedical research. eLife, 13.

Geyer PE, et al. (2024) The Circulating Proteome?Technological Developments, Current Challenges, and Future Trends. Journal of proteome research, 23(12), 5279.

Li J, et al. (2024) Single-cell and bulk RNA-sequence identi?ed ?broblasts signature and CD8 + T-cell - ?broblast subtype predicting prognosis and immune therapeutic response of bladder cancer, based on machine learning: bioinformatics multi-omics study. International journal of surgery (London, England), 110(8), 4911.

Laflamme C, et al. (2021) Opinion: Independent third-party entities as a model for validation of commercial antibodies. New biotechnology, 65, 1.

Yang J, et al. (2021) BRCA1 Antibodies Matter. International journal of biological sciences, 17(12), 3239.

Sivertsson Å, et al. (2020) Enhanced Validation of Antibodies Enables the Discovery of Missing Proteins. Journal of proteome research, 19(12), 4766.

Wang Z, et al. (2020) An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. Science advances, 6(11), eaax2271.

Swier VJ, et al. (2020) Validating indicators of CNS disorders in a swine model of neurological disease. PloS one, 15(2), e0228222.

Liu J, et al. (2019) FibroAtlas: A Database for the Exploration of Fibrotic Diseases and Their Genes. Cardiology research and practice, 2019, 4237285.

Meliopoulos VA, et al. (2018) Although it's painful: The importance of stringent antibody validation. PLoS pathogens, 14(1), e1006701.

Proietti Onori M, et al. (2018) The intellectual disability-associated CAMK2G p.Arg292Pro mutation acts as a pathogenic gain-of-function. Human mutation, 39(12), 2008.

Hung YF, et al. (2018) Endosomal TLR3, TLR7, and TLR8 control neuronal morphology through different transcriptional programs. The Journal of cell biology, 217(8), 2727.

Chen Z, et al. (2018) Current applications of antibody microarrays. Clinical proteomics, 15, 7.

Zhang W, et al. (2018) Generation of a monoclonal antibody recognizing the heavily glycosylated CD45 protein and its application on identifying circulating tumor cells. PloS one, 13(2), e0192506.

Anderton B, et al. (2017) MYC-driven inhibition of the glutamate-cysteine ligase promotes glutathione depletion in liver cancer. EMBO reports, 18(4), 569.

Lin Y, et al. (2017) Drug target ontology to classify and integrate drug discovery data. Journal

of biomedical semantics, 8(1), 50.

Gilson MK, et al. (2016) BindingDB in 2015: A public database for medicinal chemistry, computational chemistry and systems pharmacology. Nucleic acids research, 44(D1), D1045.

Roncador G, et al. (2016) The European antibody network's practical guide to finding and validating suitable antibodies for research. mAbs, 8(1), 27.