

Resource Summary Report

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ExPASy ABCD database

RRID:SCR_017401

Type: Tool

Proper Citation

ExPASy ABCD database (RRID:SCR_017401)

Resource Information

URL: <https://web.expasy.org/abcd/>

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Description: Repository of sequenced antibodies, integrating curated information about antibody and its antigen with cross links to standardized databases of chemical and protein entities. Manually curated repository of sequenced antibodies, developed by Geneva Antibody Facility at University of Geneva, in collaboration with CALIPHO and Swiss Prot groups at SIB Swiss Institute of Bioinformatics. Database provides list of sequenced antibodies with their known targets. Each antibody is assigned unique ID number that can be used in academic publications to increase reproducibility of experiments.

Abbreviations: ABCD ExPASy, The ABCD database

Synonyms: ExPASy ABCD (AntiBodies Chemically Defined) Database, The ABCD database, AntiBodies Chemically Defined, AntiBodies Chemically Defined Expert Protein Analysis System database, ExPASy ABCD Database, The AntiBodies Chemically Defined Database

Resource Type: data or information resource, database

Defining Citation: [PMID:31410491](#)

Keywords: Sequenced antibody, manually curated, known target, ExPASy, repository, chemically defined antibodies, antibody, bio.tools

Funding: ProCare Foundation ;
Swiss National Science Foundation ;
University of Geneva

Availability: Free, Freely available

Resource Name: ExPASy ABCD database

Resource ID: SCR_017401

Alternate IDs: SCR_019000, biotools:AbCD_database

Alternate URLs: https://bio.tools/ABCD_database

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260829T183024+0000

Ratings and Alerts

No rating or validation information has been found for ExPASy ABCD database.

No alerts have been found for ExPASy ABCD database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Wang YK, et al. (2026) Hyperspectral reconstruction of white light endoscopy images for enhanced segmentation of early esophageal lesions in patients. *iScience*, 29(5), 115460.

Shahid S, et al. (2025) Cryo-EM structures of HCV E2 glycoprotein bound to neutralizing and non-neutralizing antibodies determined using bivalent Fabs as fiducial markers. *Communications biology*, 8(1), 825.

D??ring S, et al. (2025) Challenges and Insights in Absolute Quantification of Recombinant Therapeutic Antibodies by Mass Spectrometry: An Introductory Review. *Antibodies (Basel, Switzerland)*, 14(1).

Foreman KW, et al. (2025) Challenges and Potential of Antibody-Drug Conjugates as Prospective Tuberculosis Therapeutics. *Microorganisms*, 13(10).

Guilhen C, et al. (2025) Production of functional recombinant antibodies in *Dictyostelium discoideum*. *BMC research notes*, 18(1), 246.

van Beek AE, et al. (2024) Praziquantel and factor H recruitment differentially affect the susceptibility of *Schistosoma mansoni* to complement-mediated damage. *Frontiers in immunology*, 15, 1474358.

Marchetti A, et al. (2023) A quantitative comparison of antibodies against epitope tags for immunofluorescence detection. *FEBS open bio*, 13(12), 2239.

Akbar R, et al. (2022) Progress and challenges for the machine learning-based design of fit-for-purpose monoclonal antibodies. *mAbs*, 14(1), 2008790.

DeLuca KF, et al. (2022) Production and purification of recombinant monoclonal antibodies from human cells based on a primary sequence. *STAR protocols*, 3(4), 101915.

DeLuca KF, et al. (2021) Generation and diversification of recombinant monoclonal antibodies. *eLife*, 10.

Lima WC, et al. (2020) The ABCD database: a repository for chemically defined antibodies. *Nucleic acids research*, 48(D1), D261.

Rigden DJ, et al. (2020) The 27th annual Nucleic Acids Research database issue and molecular biology database collection. *Nucleic acids research*, 48(D1), D1.

Lima WC, et al. (2020) A recombinant antibody toolbox for *Dictyostelium discoideum*. *BMC research notes*, 13(1), 206.