

Resource Summary Report

Generated by [kravitz2](#) on Sep 1, 2026

CB-dock2

RRID:SCR_026134

Type: Tool

Proper Citation

CB-dock2 (RRID:SCR_026134)

Resource Information

URL: <https://cadd.labshare.cn/cb-dock2/php/index.php>

Proper Citation: CB-dock2 (RRID:SCR_026134)

Description: Web server for protein-ligand blind docking, integrating cavity detection, docking and homologous template fitting. Given the three-dimensional structure of protein and ligand, can predict their binding sites and affinity for computer-aided drug discovery.

Resource Type: data access protocol, software resource, web service

Defining Citation: [PMID:35609983](#)

Keywords: protein-ligand blind docking, integrating cavity detection, docking and homologous template fitting, predict binding sites, drug discovery,

Funding: National Natural Science Foundation of China

Availability: Free, Freely available

Resource Name: CB-dock2

Resource ID: SCR_026134

Record Creation Time: 20241206T053307+0000

Record Last Update: 20260829T183437+0000

Ratings and Alerts

No rating or validation information has been found for CB-dock2.

No alerts have been found for CB-dock2.

Data and Source Information

Usage and Citation Metrics

We found 170 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wang Z, et al. (2026) Deciphering pathogenic mechanisms of BDCPP exposure in endometrial cancer progression via an integrated approach combining network toxicology, machine learning, and molecular docking. International journal of surgery (London, England), 112(1), 583.

Liu Y, et al. (2026) Identification of prognostic markers related to homologous recombination deficiency in cholangiocarcinoma using CoxBoost and LASSO machine learning techniques. Frontiers in immunology, 17, 1615657.

Chen Y, et al. (2026) Elucidating the mechanisms by which acetyl tributyl citrate affects fracture healing: a comprehensive network toxicology study. BMC pharmacology & toxicology, 27(1).

Wenhao Y, et al. (2026) NSUN5 as a Prognostic Biomarker Correlates with Malignant Phenotype and Therapeutic Target in Glioma. Brain and behavior, 16(1), e71211.

Lu X, et al. (2026) Integrated New Approach Methodologies Reveal the Potential Role of 2,7-Dibromocarbazole in Parkinson's Disease via Monoamine Oxidase B Inhibition and Dopaminergic Dysfunction. Environmental science & technology, 60(9), 7159.

Chai J, et al. (2026) Mechanistic insights into PFAS derivatives-induced coronary heart disease and atherosclerotic renal artery stenosis via integrated network toxicology and molecular modeling. Toxicology research, 15(1), tfaf190.

Zhao T, et al. (2026) Identification of key macrophage-related genes in systemic sclerosis-associated interstitial lung disease based on single-cell and bulk transcriptomic data. PloS one, 21(3), e0344166.

Gao MM, et al. (2026) Integrated Bioinformatics and Experimental Validation of Inflammatory Cytokine-Related Hub Genes in Pediatric Asthma. Journal of asthma and allergy, 19, 577209.

Tan B, et al. (2026) Identification of a Prognostic Gene Signature for Chemoresistance Prediction in Lung Adenocarcinoma by Screening Mitochondrial Metabolism Gene Sets. International journal of molecular sciences, 27(7).

Li Y, et al. (2026) Platycodin D alleviates cardiac hypertrophy in the treatment of heart failure by inhibiting p53-dependent BCL-2/Bax/caspase-3 signaling pathway. Frontiers in pharmacology, 17, 1832803.

Yang L, et al. (2026) EBV nuclear antigen 1 hijacks DDX5/BZLF1 axis to facilitate viral lytic replication. Virologica Sinica, 41(2), 314.

Chen X, et al. (2026) Dahuang-mudanpi decoction mitigates ALI/ARDS pulmonary inflammation via multi-target regulation of HMGB1. *Frontiers in pharmacology*, 17, 1835869.

Zhang Y, et al. (2026) Immune - cell death index in hepatocellular carcinoma: a multi-omics and machine learning study for prognosis and immunotherapy prediction. *Frontiers in immunology*, 17, 1776723.

Chu L, et al. (2026) Targeted Metabolomics Uncovers NorCA's Role as a Potent Immunomodulator in Acute Pancreatitis by Promoting Macrophage Reprogramming and Efferocytosis. *International journal of molecular sciences*, 27(10).

Yu B, et al. (2026) Synergistic mechanism of Shengyang Shiyiwei Pill in enhancing bevacizumab efficacy for hepatocellular carcinoma-associated ascites. *Annals of medicine and surgery* (2012), 88(1), 290.

Wang J, et al. (2026) Network toxicology and Mendelian randomization reveal pathogenic factors of monoethyl phthalate-induced thyroid cancer. *European thyroid journal*, 15(1).

Shao D, et al. (2026) MAISNet: a multi-species integrated graph neural network for acetylcholinesterase inhibitor screening. *Bioinformatics (Oxford, England)*, 42(4).

Ma L, et al. (2026) PFOS Drives Pulmonary Injury via Glycolytic and Oxidative Metabolic Disruption: Multilevel Evidence Integrating Population, Computational, and Experimental Approaches. *ACS omega*, 11(5), 8197.

Liu F, et al. (2026) Mechanistic insights into triclosan-induced hepatotoxicity: A network toxicology and molecular docking approach. *PloS one*, 21(2), e0333244.

Duan X, et al. (2026) The Peroxidase12 Gene Regulates Morphogenesis of the Daughter Root of *Aconitum carmichaelii* Debx. by Promoting Lignin Synthesis. *Biology*, 15(4).