

Resource Summary Report

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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 [PRECISE-TBI](#) .

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.

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).

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).

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

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), 190.

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.

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.

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.

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.

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.

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.

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).

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.

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).

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).