

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: 20260805T044555+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 55 mentions in open access literature.

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

Wang L, et al. (2025) Unraveling the mechanisms of propofol-induced psychological dependence: a multi-omics approach linked to gut microbiota in hippocampal function. *Frontiers in medicine*, 12, 1539467.

Hou W, et al. (2025) 5-O-Methylvisammioside inhibits HMGB1-induced Angiogenesis of hepatocellular carcinoma through RAGE/MEK/ERK signaling pathway. *PloS one*, 20(5), e0322056.

Li R, et al. (2025) Glycosylation gene expression profiles enable prognosis prediction for colorectal cancer. *Scientific reports*, 15(1), 798.

Liao Y, et al. (2025) Integrating network pharmacology, quantitative transcriptomic analysis, and experimental validation revealed the mechanism of cordycepin in the treatment of obesity. *Frontiers in pharmacology*, 16, 1571480.

Gu Q, et al. (2025) Mechanisms of Zanthoxyli Pericarpium-Zingiberis Rhizoma in the Treatment of Gastric Cancer Based on Network Pharmacology and Experimental Validation. *Drug design, development and therapy*, 19, 4537.

Cai A, et al. (2025) Atractylodes macrocephala compounds attenuate pediatric epilepsy neuroinflammation through multitarget regulation of the NF- κ B pathway. *Scientific reports*, 15(1), 35535.

Sui X, et al. (2025) Dietary flavonoids may improve insulin resistance: NHANES, network pharmacological analyses and in vitro experiments. *PloS one*, 20(12), e0338100.

Huo P, et al. (2025) Mechanism of β -sitosterol in treating keloids: Network pharmacology, molecular docking and experimental verification. *Molecular medicine reports*, 31(4).

Klamrak A, et al. (2025) Integrative computational analysis of anti-influenza potential in *Caesalpinia mimosoides* Lamk hydroethanolic extract. *Scientific reports*, 15(1), 3988.

Zhang X, et al. (2025) Expression characteristics, molecular mechanisms, and clinical significance of DICER1 in breast cancer. *Frontiers in genetics*, 16, 1586287.

Lei S, et al. (2025) Liver-Targeting Nanoparticles GA-MSe@AR Treat NAFLD Through Dual Lipid-Lowering and Antioxidant Efficacy. *International journal of nanomedicine*, 20, 5017.

Li Y, et al. (2025) Network toxicology and molecular docking elucidate the hepatotoxic and carcinogenic mechanisms of potassium sorbate validated by in vitro assays. *Scientific reports*, 15(1), 31225.

Xie L, et al. (2025) Identifying therapeutic target genes for diabetic retinopathy using systematic druggable genome-wide Mendelian randomization. *Diabetology & metabolic syndrome*, 17(1), 145.

AbuBakar U, et al. (2025) Antiviral potential of diosmin against influenza A virus. *Scientific reports*, 15(1), 17192.

Mubeen H, et al. (2025) Toxicity assessment of doxycycline-aided artificial intelligence-assisted drug design targeting candidate 16S rRNA methyltransferase gene. *BMC pharmacology & toxicology*, 26(1), 195.

Long J, et al. (2025) Investigating the clinical efficacy, safety and molecular mechanism of sulforaphane in autism spectrum disorder: an integrated study combining meta-analysis, network pharmacology, and computational biology. *BMC pharmacology & toxicology*, 26(1), 217.

Zhang J, et al. (2025) Identification and validation of prognostic genes associated with m6A-regulated programmed cell death in acute lymphoblastic leukemia. *Scientific reports*, 15(1), 38248.

Shan B, et al. (2025) Tanshinone IIA alleviates pulmonary fibrosis by modulating glutamine metabolic reprogramming based on [U-13C5]-glutamine metabolic flux analysis. *Journal of advanced research*, 70, 531.

Wang Z, et al. (2025) Development of immune-derived molecular markers for preeclampsia based on multiple machine learning algorithms. *Scientific reports*, 15(1), 1767.

Qiu RB, et al. (2025) Thymoquinone mitigates cardiac hypertrophy by activating adaptive autophagy via the PPAR γ /14-3-3 σ pathway. *International journal of molecular medicine*, 55(4).