

Resource Summary Report

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ZDOCK Server

RRID:SCR_022518

Type: Tool

Proper Citation

ZDOCK Server (RRID:SCR_022518)

Resource Information

URL: <https://zdock.umassmed.edu/>

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Description: Web tool as protein docking server, based on rigid body docking programs ZDOCK and M-ZDOCK, to predict structures of protein-protein complexes and symmetric multimers.

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

Defining Citation: [PMID:24532726](#)

Keywords: Protein docking server, ZDOCK, M-ZDOCK, predict structures, protein-protein complexes, symmetric multimers

Funding: NIGMS GM084884

Availability: Free, Freely available

Resource Name: ZDOCK Server

Resource ID: SCR_022518

Record Creation Time: 20220625T050140+0000

Record Last Update: 20260729T044535+0000

Ratings and Alerts

No rating or validation information has been found for ZDOCK Server.

No alerts have been found for ZDOCK Server.

Data and Source Information

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Li H, et al. (2026) PDZRN4 suppresses lung adenocarcinoma progression via inhibiting ubiquitin-mediated HIF-1A degradation. *Oncogene*, 45(4), 577.

Wang M, et al. (2025) Endogenous protein S100A14 stabilizes glutaminase to render hepatocellular carcinoma resistant to sorafenib. *Journal of translational medicine*, 23(1), 435.

Liu Y, et al. (2025) Unlocking tumor barrier: annexin A2-mediated transcytosis boosts drug delivery in pancreatic and breast tumors. *Nature communications*, 16(1), 6531.

Yan HJ, et al. (2025) De Novo ACTB Variant Associated With Juvenile-Onset Temporal Lobe Epilepsy With Favorable Outcomes. *Human mutation*, 2025, 9951922.

Hajizade MS, et al. (2025) Epitope mapping strategies for immunogenicity mitigation in streptokinase therapeutics: an in-silico study. *Scientific reports*, 15(1), 33499.

Zeng Q, et al. (2025) HDAC6 deacetylates TRIM56 to negatively regulate cGAS-STING-mediated type I interferon responses. *EMBO reports*, 26(3), 720.

Pape BF, et al. (2025) Unraveling the Binding Mode of TSC2-Rheb through Protein Docking and Simulations. *Biochemistry*, 64(5), 1006.

Tang Y, et al. (2025) TRIM29 reverses lenvatinib resistance in liver cancer cells by ubiquitinating and degrading YBX1 to inhibit the PI3K/AKT pathway. *Translational oncology*, 53, 102294.

Yuan H, et al. (2025) DDX39B K63-linked ubiquitination mediated by TRIM28 promotes NSCLC metastasis by enhancing ECAD lysosomal degradation. *Signal transduction and targeted therapy*, 10(1), 221.

Lan Q, et al. (2025) The viral BCL2 protein BHRF1 of Epstein-Barr virus promotes AIM2 inflammasome activation to facilitate lytic replication. *PLoS pathogens*, 21(9), e1013509.

Guo D, et al. (2025) Modification of RNF183 via m6A Methylation Mediates Podocyte Dysfunction in Diabetic Nephropathy by Regulating PKM2 Ubiquitination and Degradation. *Cells*, 14(5).

Kumar M, et al. (2025) FNDC5/irisin mitigates the cardiotoxic impacts of cancer chemotherapeutics by modulating ROS-dependent and -independent mechanisms. *Redox biology*, 80, 103527.

Kong CY, et al. (2025) Adamts1 Exacerbates Post-Myocardial Infarction Scar Formation via Mechanosensing of Integrin $\alpha 8$. *Advanced science (Weinheim, Baden-Wurttemberg,*

Germany), 12(46), e04138.

Zhang Y, et al. (2025) TDP-43/ALKBH5-mediated m6A modification of CDC25A mRNA promotes glioblastoma growth by facilitating G1/S cell cycle transition. *MedComm*, 6(3), e70108.

Wang X, et al. (2025) Beyond gold: the chemoenhancing mechanism and therapeutic potential of auranofin in melanoma. *Cancer biology & medicine*, 22(6), 672.

Wang Z, et al. (2025) Pan-cancer analysis reveals the potential role of DHCR24 in bladder cancer via interactions with HRAS to facilitate cholesterol synthesis. *Oncology letters*, 30(2), 385.

Li J, et al. (2025) Elevation of p53 sensitizes obese kidney to adriamycin-induced aberrant lipid homeostasis via repressing HNF4 α -mediated FGF21 sensitivity. *Journal of advanced research*, 72, 165.

Richard AC, et al. (2025) Using Short Molecular Dynamics Simulations to Determine the Important Features of Interactions in Antibody-Protein Complexes. *Proteins*, 93(4), 812.

Chen K, et al. (2025) Equine lentivirus Gag protein degrades mitochondrial antiviral signaling protein via the E3 ubiquitin ligase Smurf1. *Journal of virology*, 99(1), e0169124.

Gu J, et al. (2025) TC2N maintains stem cell-like characteristics to accelerate lung carcinogenesis by blockade of dual specificity protein phosphatase 3. *Cell & bioscience*, 15(1), 8.