

# 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/>

**Proper Citation:** ZDOCK Server (RRID:SCR\_022518)

**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:** web service, data access protocol, software resource

**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:** 20260804T043742+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 [RRID](#) .

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.

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.

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).

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.

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

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.

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.

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.

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.

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

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.

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

Basmenj ER, et al. (2025) Computational epitope-based vaccine design with bioinformatics approach; a review. *Heliyon*, 11(1), e41714.

Xia Y, et al. (2025) EZH2-mediated macrophage-to-myofibroblast transition contributes to calcium oxalate crystal-induced kidney fibrosis. *Communications biology*, 8(1), 286.

Zhao G, et al. (2025) NONO regulates m5C modification and alternative splicing of PTEN mRNAs to drive gastric cancer progression. *Journal of experimental & clinical cancer research : CR*, 44(1), 81.