Resource Summary Report

Generated by ASWG on Aug 23, 2026

NetPhos

RRID:SCR_017975
Type: Tool

Proper Citation

NetPhos (RRID:SCR_017975)

Resource Information

URL: http://www.cbs.dtu.dk/services/NetPhos/

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Description: Web tool as artificial neural network method that predicts phosphorylation sites in independent sequences. Web application based on determination of activity of protein kinases using in vitro assays with either naturally occurring peptides or synthetic peptides. NetPhos 3.1 server predicts serine, threonine or tyrosine phosphorylation sites in eukaryotic proteins using ensembles of neural networks. Both generic and kinase specific predictions are performed. Generic predictions are identical to predictions performed by NetPhos 2.0. Kinase specific predictions are identical to predictions by NetPhosK 1.0. NetPhos 3.1 is available as stand-alone software package.

Synonyms: NetPhos 3.1, NetPhos 2.0

Resource Type: analysis service resource, data access protocol, production service resource, service resource, software application, software resource, standalone software, web service

Defining Citation: PMID:10600390

Keywords: Neural network, predict, phosphorylation site, independent sequence, protein, kinase, serine, threonine, tyrosine, eukaryotic, bio.tools

Availability: Free, Freely available

Resource Name: NetPhos

Resource ID: SCR_017975

Alternate IDs: biotools:netphos

Alternate URLs: https://bio.tools/netphos

Old URLs: http://www.cbs.dtu.dk/services/NetPhos-2.0/

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260821T194123+0000

Ratings and Alerts

No rating or validation information has been found for NetPhos.

No alerts have been found for NetPhos.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 448 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Ghasemi F, et al. (2026) Expansion, functional diversification, and gene fusion events in the Ato protein family. iScience, 29(7), 116467.

Yin X, et al. (2026) Rosmarinic Acid Synthase 1 Phosphorylation by SmMAPK3 Is Required for Salicylic Acid-Induced Salvianolic Acid Accumulation in Salvia miltiorrhiza Hairy Roots. Plant biotechnology journal, 24(2), 734.

Zhang X, et al. (2026) Genome-Wide Identification of PSK Gene Family and Effects of Abscisic Acid (ABA) in Regulating Antioxidant Activity and ROS Signaling Under Drought Stress in Brassica napus. International journal of molecular sciences, 27(2).

Ahad A, et al. (2026) Ethylene signaling and metabolite reprogramming in salt tolerance of Triticum aestivum. Scientific reports, 16(1).

Liu X, et al. (2026) Iron status modulates cadmium tolerance: mechanistic insights from MsbHLH60-mediated regulation of the FIT/IRT1 module in alfalfa. Frontiers in plant science, 17, 1821873.

Chai X, et al. (2026) Identification and functional characterization of heat shock transcription factor genes in Rhododendron Delavayi under heat stress. BMC plant biology, 26(1), 344.

Zhu B, et al. (2026) Construction of a Normalized Library and Screening of Transcriptional Regulators of the cas5 Gene in Corynespora cassiicola. Microorganisms, 14(1).

Ke Q, et al. (2026) Construction and Biological Characterization of ORF133-Deletion Mutant of Lumpy Skin Disease Virus. Viruses, 18(2).

He H, et al. (2025) Transcriptome Analysis Reveals the Molecular Mechanism of PLIN1 in Goose Hierarchical and Pre-Hierarchical Follicle Granulosa Cells. Animals : an open access journal from MDPI, 15(2).

Wang P, et al. (2025) NcSWP8, a New Spore Wall Protein, Interacts with Polar Tube Proteins in the Parasitic Microsporidia Vairimorpha (Nosema) ceranae. Microorganisms, 13(1).

Shao D, et al. (2025) The Functional Identification of the CYP2E1 Gene in the Kidney of Lepus yarkandensis. International journal of molecular sciences, 26(2).

Yu Y, et al. (2025) Ribosomal protein L27 contributes to virulence and maduramicin resistance in Eimeria tenella. International journal for parasitology. Drugs and drug resistance, 29, 100615.

Yang S, et al. (2025) PTPN22-CD45 dual phosphatase retrograde feedback enhances TCR signaling and autoimmunity. Science advances, 11(36), eadw2568.

Li S, et al. (2025) Identification and functional verification of active volatiles recognition by the olfactory co-receptor Orco in Chrysopa pallens (Rambur) (Neuroptera: Chrysopidae). Journal of insect science (Online), 25(4).

Khazaei S, et al. (2025) Designing and Evaluation of a Plasmid Encoding Immunogenic Epitopes From Echinococcus granulosus Eg95-1-6, P29, and GST Against Hydatid Cyst in BALB/c Mice. Journal of parasitology research, 2025, 1655679.

Sun X, et al. (2025) Functional Study of Four Histone Genes Involved in the Spermatogenesis of Cynoglossus semilaevis. Animals : an open access journal from MDPI, 15(4).

Qi M, et al. (2025) Hyperoside, a flavonoid, induces lnc187 and lnc999 to enhance pigeon pea pollen tube growth and seed production. Science advances, 11(46), eadz3499.

Irfan A, et al. (2025) Discovery of bioactive inhibitors targeting onion yellow dwarf virus coat protein based on molecular docking and simulation. BMC plant biology, 25(1), 1720.

Dong F, et al. (2025) TaSnRK3.23B, a CBL-interacting protein kinase of wheat, confers drought stress tolerance by promoting ROS scavenging in Arabidopsis. BMC plant biology, 25(1), 59.

Bencivenga D, et al. (2025) p27Kip1 and Tumors: Characterization of CDKN1B Variants Identified in MEN4 and Breast Cancer. Cells, 14(3).