Resource Summary Report

Generated by dkNET on Sep 2, 2026

eXpression2Kinases

RRID:SCR_016307
Type: Tool

Proper Citation

eXpression2Kinases (RRID:SCR_016307)

Resource Information

URL: http://amp.pharm.mssm.edu/X2K/

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Description: Software tool to produce inferred networks of transcription factors, proteins, and kinases predicted to regulate the expression of the inputted gene list by combining transcription factor enrichment analysis, protein-protein interaction network expansion, with kinase enrichment analysis. It provides the results as tables and interactive vector graphic figures.

Abbreviations: X2K

Synonyms: eXpression2Kinases, X2K

Resource Type: software application, software resource

Defining Citation: PMID:22080467

Keywords: inferred, network, transcription, factor, protein, kinase, regulate, expression, gene, analysis, combine, bio.tools

Funding: NCRR KL2 RR029885;
NIDDK P01 DK056492;
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NIDDK RC4DK090860;
NIGMS P50 GM071558;
NLM RC2 LM010994

Availability: Open source, Free, Freely available, Available for download

Resource Name: eXpression2Kinases

Resource ID: SCR_016307

Alternate IDs: biotools:x2k

Alternate URLs: https://bio.tools/x2k, http://www.maayanlab.net/X2K/

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260829T183122+0000

Ratings and Alerts

No rating or validation information has been found for eXpression2Kinases.

No alerts have been found for eXpression2Kinases.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Alqahtani SM, et al. (2024) System biology approach to identify the novel biomarkers in glioblastoma multiforme tumors by using computational analysis. Frontiers in pharmacology, 15, 1364138.

Lopes LO, et al. (2024) The Impact of miR-155-5p on Myotube Differentiation: Elucidating Molecular Targets in Skeletal Muscle Disorders. International journal of molecular sciences, 25(3).

Venkatraman S, et al. (2024) Identification of Transcriptional Regulators of Immune Evasion Across Cancers: An Alternative Immunotherapeutic Strategy for Cholangiocarcinoma. Cancers, 16(24).

de Castro JNP, et al. (2024) Comparative transcriptomic analysis of circulating endothelial cells in sickle cell stroke. Annals of hematology, 103(4), 1167.

Rex DAB, et al. (2022) Temporal Quantitative Phosphoproteomics Profiling of Interleukin-33 Signaling Network Reveals Unique Modulators of Monocyte Activation. Cells, 11(1).

Toraih EA, et al. (2021) Hidden in plain sight: The effects of BCG vaccination in the COVID-19 pandemic. Journal of medical virology, 93(4), 1950.