Resource Summary Report

Generated by dkNET on Aug 18, 2026

pcDNA3-HA-ERK2 WT

RRID:Addgene_8974
Type: Plasmid

Proper Citation

RRID:Addgene_8974

Plasmid Information

URL: http://www.addgene.org/8974

Proper Citation: RRID:Addgene_8974

Insert Name: ERK2

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16051177

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3-HA-ERK2 WT

Record Creation Time: 20220422T222610+0000

Record Last Update: 20260815T082200+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-HA-ERK2 WT.

No alerts have been found for pcDNA3-HA-ERK2 WT.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Roy R, et al. (2026) ERK-mTOR crosstalk suppresses autophagy and upregulates proteasomal degradation pathway to confer chronic myeloid leukemia cells resistant to imatinib. Experimental hematology, 154, 105330.

Bai S, et al. (2025) EGFL6 is a novel HER3 ligand, inducing HER3/integrin heterodimers to induce pERK centrosomal deposition and therapeutic resistance. Neoplasia (New York, N.Y.), 70, 101246.

Paul T, et al. (2021) H2O2 mediated FLIP and XIAP down-regulation involves increased ITCH expression and ERK-Akt crosstalk in imatinib resistant Chronic Myeloid Leukemia cell line K562. Free radical biology & medicine, 166, 265.

Xie M, et al. (2021) Sublytic C5b-9 induces glomerular mesangial cell proliferation via ERK1/2-dependent SOX9 phosphorylation and acetylation by enhancing Cyclin D1 in rat Thy-1 nephritis. Experimental & molecular medicine, 53(4), 572.

Du Q, et al. (2020) High Expression of Integrin ?3 Predicts Poor Prognosis and Promotes Tumor Metastasis and Angiogenesis by Activating the c-Src/Extracellular Signal-Regulated Protein Kinase/Focal Adhesion Kinase Signaling Pathway in Cervical Cancer. Frontiers in oncology, 10, 36.

Bunda S, et al. (2020) c-Src Phosphorylates and Inhibits the Function of the CIC Tumor Suppressor Protein. Molecular cancer research : MCR, 18(5), 774.

Bunda S, et al. (2019) CIC protein instability contributes to tumorigenesis in glioblastoma. Nature communications, 10(1), 661.

Hiyama A, et al. (2018) CCN family member 2/connective tissue growth factor (CCN2/CTGF) is regulated by Wnt-?-catenin signaling in nucleus pulposus cells. Arthritis research & therapy, 20(1), 217.

Asensio-Juan E, et al. (2017) The histone demethylase PHF8 is a molecular safeguard of the IFN? response. Nucleic acids research, 45(7), 3800.

Nikolaienko O, et al. (2017) Stimulus-evoked ERK-dependent phosphorylation of activity-regulated cytoskeleton-associated protein (Arc) regulates its neuronal subcellular localization. Neuroscience, 360, 68.

Hiyama A, et al. (2016) CCAAT/enhancer binding protein ? regulates the expression of tumor necrosis factor-? in the nucleus pulposus cells. Journal of orthopaedic research : official publication of the Orthopaedic Research Society, 34(5), 865.

Huang H, et al. (2014) Extracellular signal-regulated kinase activation during cardiac hypertrophy reduces sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) transcription. Journal of molecular and cellular cardiology, 75, 58.

Heckler MM, et al. (2014) ERK/MAPK regulates ERR? expression, transcriptional activity and receptor-mediated tamoxifen resistance in ER+ breast cancer. The FEBS journal,

281(10), 2431.

Martinez-Lopez N, et al. (2013) Autophagy proteins regulate ERK phosphorylation. Nature communications, 4, 2799.

Liu F, et al. (2013) MicroRNA-21 promotes the proliferation and inhibits apoptosis in Eca109 via activating ERK1/2/MAPK pathway. Molecular and cellular biochemistry, 381(1-2), 115.

Bose AK, et al. (2013) A high-throughput assay for phosphoprotein-specific phosphatase activity in cellular extracts. Molecular & cellular proteomics : MCP, 12(3), 797.

Tyagarajan SK, et al. (2013) Extracellular signal-regulated kinase and glycogen synthase kinase 3? regulate gephyrin postsynaptic aggregation and GABAergic synaptic function in a calpain-dependent mechanism. The Journal of biological chemistry, 288(14), 9634.