

Resource Summary Report

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HK-2 [Human kidney]

RRID:CVCL_0302

Type: Cell Line

Proper Citation

CLS Cat# 305021, RRID:CVCL_0302

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0302

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Description: Cell line HK-2 [Human kidney] is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:8127021](#), [PMID:20215515](#), [PMID:20555413](#), [PMID:22949125](#), [PMID:28489074](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:33122286](#)

Comments: Population: Caucasian., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HK-2 [Human kidney]

Synonyms: Hk-2, HK2, Human Kidney-2

Cross References: BTO:BTO_0003575, CLO:CLO_0003771, EFO:EFO_0022529, MCCL:MCC:0000193, AddexBio:T0011004/4929, ATCC:CRL-2190, BCRC:60097, BioGRID_ORCS_Cell_line:1711, BioSample:SAMN03472562, cancercellines:CVCL_0302, CCRID:3101HUMSCSP511, CCRID:4201HUM-CCTCC00152, CCTCC:GDC0152, Cell_Model_Passport:SIDM01818, ChEMBL-Cells:ChEMBL4295396, ChEMBL-Targets:ChEMBL4296428, CLS:305021, Cosmic:2520628, DepMap:ACH-001087, ENCODE:ENCBS188NWH, GEO:GSM827261, GEO:GSM4009069, GEO:GSM4009073, KCB:KCB 200815YJ, KCLB:22190, Lonza:769, PharmacDB:HK2_545_2019, Progenetix:CVCL_0302, PubChem_Cell_line:CVCL_0302, Ubigen:YC-C140, Wikidata:Q54889732

ID: CVCL_0302

Vendor: CLS

Catalog Number: 305021

Record Creation Time: 20250130T071726+0000

Record Last Update: 20260816T001334+0000

Ratings and Alerts

No rating or validation information has been found for HK-2 [Human kidney].

No alerts have been found for HK-2 [Human kidney].

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1900 mentions in open access literature.

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

Koh J, et al. (2026) ZNF395 Is a Hypoxia-Responsive Regulator of Mitochondrial Glutaminolysis in Clear Cell Renal Cell Carcinoma. Cancer research, 86(7), 1676.

Kudo K, et al. (2026) A kidney-protective mechanism via cellular oxidative stress reduction induced by CD5L protein. Cell death discovery, 12(1).

Chen Y, et al. (2026) USP15 stabilizes c-Myc to drive sunitinib resistance by suppressing cuproptosis in clear cell renal cell carcinoma. Cell reports, 45(5), 117328.

Shi H, et al. (2026) OSCAR functions as a collagen I receptor to suppress hippo signaling and reprogram lipid metabolism in clear-cell renal cell carcinoma. Cell death & disease, 17(1).

Zhu X, et al. (2026) KIAA1429 promotes clear cell renal cell carcinoma progression by regulating MYC mRNA stability. iScience, 29(4), 115198.

Wang B, et al. (2026) Qingxin Lianzi Yin Improves Chronic Kidney Disease by Targeting Ferroptosis via the TLR4/HIF-1 α Pathway. Mediators of inflammation, 2026(1), e7440641.

Jiang Y, et al. (2026) Ultrasmall Au10-12 Nanoclusters: A Novel Platform for ²²³Ra-Targeted Tumor γ -Therapy. Exploration (Beijing, China), 6(2), 70144.

Dier AK, et al. (2026) Tubular basement membrane damage promotes renal fibrosis via an ETV5/TGFB1/SOX9 axis in proximal tubular epithelial cells after acute kidney injury. Cellular signalling, 146, 112684.

Bian X, et al. (2026) Senolytics, dasatanib plus quercetin, reduce kidney inflammation, senescent cell abundance, and injury while restoring geroprotective factors in murine diabetic kidney disease. *EBioMedicine*, 124, 106124.

Zeng C, et al. (2026) Imidazole Propionate Induces Kidney Damage by Activating the ROS-NLRP3 Signaling Pathway Through mTOR Inhibition of Autophagy in Renal Tubular Epithelial Cells. *Mediators of inflammation*, 2026, 2457371.

Huang F, et al. (2026) SLC38A6 expression in renal tubular cells accelerates cisplatin-induced acute kidney injury by promoting cell apoptosis. *The FEBS journal*.

Yang Y, et al. (2026) Curcumin regulates ferroptosis by activating $\alpha 7$ nicotinic acetylcholine receptor to improve sepsis-induced acute kidney injury. *Renal failure*, 48(1), 2657652.

Su L, et al. (2026) ENPP1 blockade with a humanized monoclonal antibody enhances renal repair after acute kidney injury. *Cell stem cell*, 33(7), 1110.

Kandel R, et al. (2026) Transcriptomics reveal dysregulated genes during folic acid-induced acute injury and fibrosis in kidney and their attenuation by antioxidant N-acetyl cysteine. *American journal of physiology. Cell physiology*, 331(1), C177.

Wang C, et al. (2026) USP18 promotes clear cell renal cell carcinoma progression by regulating the ubiquitination and stability of YBX3. *iScience*, 29(5), 115808.

Li Y, et al. (2026) Integrating Bulk and Single-Cell RNA-Seq Reveals Glycolysis-Associated Macrophages and Its Related Tumor Subgroup Signatures to Predict Prognosis and Therapy in Clear Cell Renal Cell Carcinoma. *Human mutation*, 2026, 3125551.

Zhang X, et al. (2026) Cross-Cohort Transcriptomic Integration Identifies IFIT2 as a Translational Diagnostic Biomarker and Functional Driver of Inflammation-Linked Tubular Injury in Chronic Kidney Disease. *Human mutation*, 2026, 8282277.

Wang Y, et al. (2026) The LINC00920/miR-6834-3p/CPN1 Axis Modulates Immune Dysregulation in Sepsis-Associated Acute Kidney Injury and Serves as a Diagnostic Biomarker. *Biochemical genetics*.

Zhang D, et al. (2026) Activation of TLR4-NF- κ B signaling in renal tubular epithelial cells facilitates renal allograft fibrosis by inhibiting peroxisome biogenesis. *Biochimica et biophysica acta. Molecular basis of disease*, 1872(2), 168066.

Pan G, et al. (2026) Enhancing platinum-based chemotherapy efficacy and safety through combination therapy-mediated remodeling of autophagic homeostasis in gastric cancer. *Cell death & disease*, 17(1).