

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

LK-2

RRID:CVCL_1377

Type: Cell Line

Proper Citation

RRID:CVCL_1377

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1377

Proper Citation: RRID:CVCL_1377

Description: Cell line LK-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung squamous cell carcinoma

Defining Citation: [PMID:9290701](#), [PMID:10358721](#), [PMID:14581340](#), [PMID:15746151](#), [PMID:16105816](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20557307](#), [PMID:22313637](#), [PMID:22460905](#), [PMID:24002593](#), [PMID:25984343](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#), [PMID:38639832](#)

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

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: LK-2

Synonyms: LK 2, LK2

Cross References: CLO:CLO_0050064, EFO:EFO_0003141, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:569, BioSample:SAMN01821697, BioSample:SAMN03472522, BioSample:SAMN10988232, cancercellines:CVCL_1377, Cell_Model_Passport:SIDM00548, CGH-DB:189-1, CGH-DB:9174-4, ChEMBL-Cells:ChEMBL3308472, ChEMBL-Targets:ChEMBL1075490, Cosmic:687787,

Cosmic:889104, Cosmic:946071, Cosmic:1048221, Cosmic:1219073, Cosmic:1239907, Cosmic:1336878, Cosmic:1571742, Cosmic:1656906, Cosmic:1995483, Cosmic:2060534, Cosmic:2125267, Cosmic:2645024, Cosmic-CLP:687787, DepMap:ACH-000769, EGA:EGAS00001000978, FANTOM5_SSTAR:10541-107H1, GDSC:687787, GEO:GSM784281, GEO:GSM827376, GEO:GSM887267, GEO:GSM888342, GEO:GSM1374619, GEO:GSM1670047, IARC_TP53:21473, JCRB:JCRB0829, LiGeA:CCLE_610, LINCS_LDP:LCL-1587, PharmacDB:LK2_837_2019, PRIDE:PXD030304, Progenetix:CVCL_1377, PubChem_Cell_line:CVCL_1377, RCB:RCB1970, TKG:TKG 0494, TOKU-E:4154, Wikidata:Q54902662

ID: CVCL_1377

Record Creation Time: 20220427T220728+0000

Record Last Update: 20260920T004353+0000

Ratings and Alerts

No rating or validation information has been found for LK-2.

No alerts have been found for LK-2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

O'Loughlin TA, et al. (2026) mTORC1 activity suppresses ferroptosis through a SCARB1-dependent HDL-tocopherol uptake pathway. *Molecular cell*, 86(8), 1546.

Yokoyama H, et al. (2026) Glypican-1-targeted antibody-drug conjugate shows therapeutic efficacy in lung squamous cell carcinoma. *Lung cancer (Amsterdam, Netherlands)*, 217, 109431.

Plowman T, et al. (2025) Primate retroelement exonization and sexually dimorphic IL13RA1 transcription tune type 2 immune responses. *Science immunology*, 10(109), eadr1105.

Zheng J, et al. (2025) DACT3-DVL1 Interaction-Mediated Canonical WNT Signaling Regulates Non-Small Cell Lung Cancer Progression and Cisplatin Resistance. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(16), e70975.

Nguyen T, et al. (2024) TNIK inhibition sensitizes TNIK-overexpressing lung squamous cell carcinoma to radiotherapy. *Molecular cancer therapeutics*.

Pan Y, et al. (2023) KMT2D deficiency drives lung squamous cell carcinoma and hypersensitivity to RTK-RAS inhibition. *Cancer cell*, 41(1), 88.

Kazachenka A, et al. (2023) The transcriptional landscape of endogenous retroelements delineates esophageal adenocarcinoma subtypes. *NAR cancer*, 5(3), zcad040.

Kumata S, et al. (2023) Prognostic impact of LILRB4 expression on tumor-infiltrating cells in resected non-small cell lung cancer. *Thoracic cancer*, 14(21), 2057.

Attig J, et al. (2023) Human endogenous retrovirus onco-exaptation counters cancer cell senescence through calbindin. *The Journal of clinical investigation*, 133(14).

Tang Y, et al. (2022) Repurposing antiparasitic antimonials to noncovalently rescue temperature-sensitive p53 mutations. *Cell reports*, 39(2), 110622.

Torres-Ayuso P, et al. (2021) TNIK Is a Therapeutic Target in Lung Squamous Cell Carcinoma and Regulates FAK Activation through Merlin. *Cancer discovery*, 11(6), 1411.