

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

SNU-449

RRID:CVCL_0454

Type: Cell Line

Proper Citation

RRID:CVCL_0454

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0454

Proper Citation: RRID:CVCL_0454

Description: Cell line SNU-449 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Adult hepatocellular carcinoma

Defining Citation: [PMID:7543080](#), [PMID:8824565](#), [PMID:16616112](#), [PMID:19956504](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:23505090](#), [PMID:23887712](#), [PMID:25485619](#), [PMID:25574106](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:30894373](#), [PMID:31063779](#), [PMID:31068700](#), [PMID:31378681](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Karyotypic information: Has lost chromosome Y., Population: Korean., Part of: Seoul National University (SNU) cell line collection., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., 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: SNU-449

Synonyms: SNU449, NCI-SNU-449

Cross References: BTO:BTO_0003188, CLO:CLO_0009100, EFO:EFO_0002349, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-2234,

BioGRID_ORCS_Cell_line:367, BioSample:SAMN03471847, BioSample:SAMN03473133, BioSample:SAMN10987611, cancercellines:CVCL_0454, Cell_Model_Passport:SIDM01194, ChEMBL-Cells:ChEMBL3308480, ChEMBL-Targets:ChEMBL1075585, CLS:305429, Cosmic:684200, Cosmic:871511, Cosmic:873396, Cosmic:909738, Cosmic:928144, Cosmic:1187338, Cosmic:1995642, Cosmic:2009539, Cosmic:2023870, Cosmic:2162541, Cosmic:2321041, Cosmic-CLP:909738, DepMap:ACH-000420, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:909738, GEO:GSM481452, GEO:GSM565924, GEO:GSM887627, GEO:GSM888712, GEO:GSM936782, GEO:GSM1374891, GEO:GSM1670471, GEO:GSM2551589, IARC_TP53:6309, IARC_TP53:21142, IGRhCellID:SNU449, KCLB:00449, LiGeA:CCLE_155, LIMORE:SNU449, LINC_SDP:LCL-1936, PharmacDB:SNU449_1462_2019, PRIDE:PXD030304, Progenetix:CVCL_0454, PubChem_Cell_line:CVCL_0454, Wikidata:Q54955201

ID: CVCL_0454

Record Creation Time: 20220427T221552+0000

Record Last Update: 20260905T182420+0000

Ratings and Alerts

No rating or validation information has been found for SNU-449.

No alerts have been found for SNU-449.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 246 mentions in open access literature.

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

Du Y, et al. (2026) PTP4A3 dephosphorylates EGFR to promote metastasis and enhance sensitivity to lapatinib in hepatocellular carcinoma. *Oncogene*.

Zheleznyak A, et al. (2026) Epithelial-Mesenchymal Transition and Stress Adaptations Underlie Yttrium-90 Resistance in Liver Cancer Cell Lines. *Cancer research communications*, 6(1), 178.

Cai Z, et al. (2026) Laminin ?1 stimulates the Hippo-YAP1 pathway to advance the progression and lenvatinib resistance in hepatocellular carcinoma. *International journal of biological macromolecules*, 336, 149150.

Ren X, et al. (2026) Intratumoral bacterium *Enterocloster boltea* promotes hepatocellular carcinoma progression by directly binding tumor cells. *Cell host & microbe*, 34(3), 406.

Adan-Villaescusa E, et al. (2026) Histone methyl-transferase G9a inhibition boosts the efficacy of immune checkpoint inhibitors in experimental hepatocellular carcinoma. *Cell reports. Medicine*, 7(4), 102717.

Jang SH, et al. (2026) Epigenetic silencing of the liver-specific lncRNA LUNAR promotes liver cancer progression via NOTCH activation. *Molecular oncology*.

Xu M, et al. (2026) UFMylation Suppresses Hepatocellular Carcinoma Metastasis by Inhibiting β -Catenin-Driven Hybrid EMT and NK Cell Evasion. *Cancer research*, 86(13), 3213.

Li SY, et al. (2026) TGF β 1 Activates Lnc-APUE to Promote Tumor Metastasis via the Alu Element-Driven STAU1-Mediated Decay of CDH1 mRNA. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(20), e18731.

Qiu W, et al. (2026) An SLCO2B1 mRNA Isoform Acts as a Noncoding RNA to Drive Cancer Progression by Triggering Protein Biosynthesis. *Cancer research*, 86(13), 3142.

Dzama-Karels M, et al. (2025) Menin-MLL1 complex cooperates with NF-Y to promote hepatocellular carcinoma survival. *Cell reports*, 44(12), 116619.

Liu Y, et al. (2025) The upregulation of GDF15 is controlled epigenetically by oncogenic TCF19 signaling in human hepatocellular carcinoma. *iScience*, 28(10), 113503.

Hu Y, et al. (2025) Targeting PRDX6-dependent localization and function of GPX4 enhances ferroptosis-mediated tumor suppression. *Molecular cell*, 85(24), 4602.

Mesropian A, et al. (2025) E7386 Enhances Lenvatinib's Antitumor Activity in Preclinical Models and Human Hepatocellular Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(23), 5037.

Turnham RE, et al. (2025) HBV Remodels PP2A Complexes to Rewire Kinase Signaling in Hepatocellular Carcinoma. *Cancer research*, 85(4), 660.

Jiang H, et al. (2025) DCAF7 recruits USP2 to facilitate hepatocellular carcinoma progression by suppressing clockophagy-induced ferroptosis. *Cell death & disease*, 16(1), 654.

Dzama-Karels M, et al. (2025) Menin-MLL1 complex cooperates with NF-Y to promote HCC survival. *bioRxiv : the preprint server for biology*.

Chen MY, et al. (2025) BAG2 releases SAMD4B upon sensing of arginine deficiency to promote tumor cell survival. *Molecular cell*, 85(13), 2581.

Cao D, et al. (2025) MAF1 inhibits hepatocarcinogenesis by fostering an immunostimulatory tumor microenvironment. *Journal for immunotherapy of cancer*, 13(1).

Zhuo Z, et al. (2025) Machine learning-based integration reveals immunological heterogeneity and the clinical potential of T cell receptor (TCR) gene pattern in hepatocellular carcinoma. *Apoptosis : an international journal on programmed cell death*, 30(3-4), 955.

Huo J, et al. (2025) Single-cell transcriptomics identifies an H2AFZ-driven proliferative tumor subpopulation associated with poor prognosis in hepatocellular carcinoma. *Frontiers in molecular biosciences*, 12, 1655705.