Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 22, 2025

A-427

RRID:CVCL_1055
Type: Cell Line

Proper Citation

(RRID:CVCL_1055)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1055

Proper Citation: (RRID:CVCL_1055)

Sex: Male

Defining Citation: PMID:77569, PMID:327080, PMID:833871, PMID:1855224, PMID:3335022, PMID:3518877, PMID:3940644, PMID:3945555, PMID:4357758, PMID:6256643, PMID:6401685, PMID:6500159, PMID:6825208, PMID:6935474, PMID:7144906, PMID:7459858, PMID:10536175, PMID:10908148, PMID:11005564, PMID:19153074, PMID:19472407, PMID:20164919, PMID:20215515, PMID:20557307, PMID:22282976, PMID:25485619, PMID:25877200, PMID:26361996, PMID:26589293, PMID:27397505, PMID:28196595, PMID:29444439, PMID:29681454, PMID:30894373, PMID:31068700, PMID:35839778

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Population: Caucasian., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Name: A-427

Synonyms: A427, A427N

Cross References: BTO:BTO_0003770, CLO:CLO_0001590, EFO:EFO_0002104, CLDB:cl152, CLDB:cl153, CLDB:cl5024, AddexBio:C0016004/21, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-3610, ATCC:CRL-7906, ATCC:HTB-53, BioSample:SAMN01821535, BioSample:SAMN01821613, BioSample:SAMN03471087, BioSample:SAMN10989597, cancercelllines:CVCL_1055, Cell_Model_Passport:SIDM00810, ChEMBL-Cells:CHEMBL3307775, ChEMBL-Targets:CHEMBL614515, CLS:300111, Cosmic:724857, Cosmic:735606, Cosmic:801570, Cosmic:844825, Cosmic:876134, Cosmic:910851, Cosmic:917971, Cosmic:929961, Cosmic:932914, Cosmic:933581, Cosmic:961832, Cosmic:1006531, Cosmic:1146870, Cosmic:1218868, Cosmic:1239866, Cosmic:2042862, Cosmic:2125175, Cosmic:2668263, Cosmic:2668303, Cosmic-CLP:910851, DepMap:ACH-000757, DSMZ:ACC-234, DSMZCellDive:ACC-234, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:910851, GEO:GSM206444, GEO:GSM274755, GEO:GSM274756, GEO:GSM353235, GEO:GSM434323, GEO:GSM784204, GEO:GSM827284, GEO:GSM1374383, GEO:GSM1526628, GEO:GSM1526629, GEO:GSM1669585, IARC_TP53:21166, IGRhCellID:A427, IZSLER:BS TCL 120, KCLB:30053, LINCS_LDP:LCL-1600, PharmacoDB:A427_45_2019, PRIDE:PXD002556, PRIDE:PXD030304, Progenetix:CVCL_1055, PubChem_Cell_line:CVCL_1055, Wikidata:Q54606034

ID: CVCL_1055

Record Creation Time: 20250131T193537+0000

Record Last Update: 20250131T193617+0000

Ratings and Alerts

No rating or validation information has been found for A-427.

Warning: Discontinued: ATCC; CRL-7906
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Population: Caucasian., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Sasaki M, et al. (2025) Efficacy of CBP/p300 Dual Inhibitors against Derepression of KREMEN2 in cBAF-Deficient Cancers. Cancer research communications, 5(1), 24.

Pelos G, et al. (2024) Fast proliferating and slowly migrating non-small cell lung cancer cells are vulnerable to decitabine and retinoic acid combinatorial treatment. International journal of cancer, 154(6), 1029.

Biswas S, et al. (2023) Targeting intracellular oncoproteins with dimeric IgA promotes expulsion from the cytoplasm and immune-mediated control of epithelial cancers. Immunity, 56(11), 2570.

Luo X, et al. (2022) Profiling of diverse tumor types establishes the broad utility of VHL-based ProTaCs and triages candidate ubiquitin ligases. iScience, 25(3), 103985.

Limagne E, et al. (2022) MEK inhibition overcomes chemoimmunotherapy resistance by inducing CXCL10 in cancer cells. Cancer cell, 40(2), 136.

Chang SC, et al. (2022) Targeted degradation of PCNA outperforms stoichiometric inhibition to result in programed cell death. Cell chemical biology, 29(11), 1601.

Zhou L, et al. (2022) EGFR transcriptionally upregulates UTX via STAT3 in non-small cell lung cancer. Journal of cancer research and clinical oncology, 148(2), 309.

Kitajima S, et al. (2022) MPS1 inhibition primes immunogenicity of KRAS-LKB1 mutant lung cancer. Cancer cell, 40(10), 1128.

Zhang S, et al. (2020) The Negative Cross-Talk between SAG/RBX2/ROC2 and APC/C E3 Ligases in Regulation of Cell Cycle Progression and Drug Resistance. Cell reports, 32(10), 108102.

Hastings JF, et al. (2020) Analysis of pulsed cisplatin signalling dynamics identifies effectors of resistance in lung adenocarcinoma. eLife, 9.

Cui D, et al. (2020) FBXW7 Confers Radiation Survival by Targeting p53 for Degradation. Cell reports, 30(2), 497.

Yenerall P, et al. (2020) RUVBL1/RUVBL2 ATPase Activity Drives PAQosome Maturation, DNA Replication and Radioresistance in Lung Cancer. Cell chemical biology, 27(1), 105.

Zhou W, et al. (2018) UBE2M Is a Stress-Inducible Dual E2 for Neddylation and Ubiquitylation that Promotes Targeted Degradation of UBE2F. Molecular cell, 70(6), 1008.