Resource Summary Report

Generated by dkNET on Sep 1, 2026

451Lu

RRID:CVCL_6357
Type: Cell Line

Proper Citation

RRID:CVCL_6357

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6357

Proper Citation: RRID:CVCL_6357

Description: Cell line 451Lu is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Cutaneous melanoma

Defining Citation: PMID:2068080, PMID:2156614, PMID:2253310, PMID:2918552, PMID:8342600, PMID:15592718, PMID:17260012, PMID:18632627, PMID:18790768, PMID:19340423, PMID:21156289, PMID:21343389, PMID:23285177, PMID:23851445, PMID:24055054, PMID:25056119, PMID:27397505, PMID:30894373, PMID:31068700, PMID:35839778

Comments: Caution: The reported STR profile from Wistar of this cell line was changed at one point between February 2016 when we retrieved them and entered them in Cellosaurus and May 2018. The major changes were: CSF1PO., Characteristics: Metastatic. Established from the lung of a nude mouse after 4 sequential passages of the parent cell line (PubMed=2156614)., Population: Caucasian., Part of: Wistar Institute melanoma cell line collection., 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: 451Lu

Synonyms: 451LU, 451-LU, WM 451-Lu, WM-451Lu, WM-451LU, WM451Lu, WM451, WC00059, LU451, Lu451, EST81

Cross References: BTO:BTO_0003710, CLO:CLO_0001373, ArrayExpress:E-MTAB-3610, ATCC:CRL-2813, BioSample:SAMN03471798, cancercelllines:CVCL_6357, Cell_Model_Passport:SIDM01240, ChEMBL-Cells:CHEMBL4802054, Coriell:WC00059, Cosmic:686411, Cosmic:1047656, Cosmic:1155281, Cosmic:1155568, Cosmic:1187587, Cosmic:1303027, Cosmic:2163808, Cosmic:2230114, Cosmic-CLP:1287706, DepMap:ACH-001002, EGA:EGAS00001000978, ESTDAB:ESTDAB-081, GDSC:1287706, GEO:GSM156019, GEO:GSM188238, GEO:GSM188268, GEO:GSM188327, GEO:GSM555137, GEO:GSM555187, GEO:GSM952579, GEO:GSM1199178, GEO:GSM1669568, IARC_TP53:26083, PharmacoDB:451Lu_17_2019, PRIDE:PXD030304, Progenetix:CVCL_6357, PubChem_Cell_line:CVCL_6357, Rockland:451Lu-01-0001, Wikidata:Q54603178

ID: CVCL_6357

Hierarchy: cvcl_7928

Record Creation Time: 20220427T215053+0000

Record Last Update: 20260830T001915+0000

Ratings and Alerts

No rating or validation information has been found for 451Lu.

Warning: Discontinued: Coriell; WC00059
Caution: The reported STR profile from Wistar of this cell line was changed at one point between February 2016 when we retrieved them and entered them in Cellosaurus and May 2018. The major changes were: CSF1PO., Characteristics: Metastatic. Established from the lung of a nude mouse after 4 sequential passages of the parent cell line (PubMed=2156614)., Population: Caucasian., Part of: Wistar Institute melanoma cell line collection., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE). Warning: Discontinued: ATCC; CRL-2813
Caution: The reported STR profile from Wistar of this cell line was changed at one point between February 2016 when we retrieved them and entered them in Cellosaurus and May 2018. The major changes were: CSF1PO., Characteristics: Metastatic. Established from the lung of a nude mouse after 4 sequential passages of the parent cell line (PubMed=2156614)., Population: Caucasian., Part of: Wistar Institute melanoma cell line collection., 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 8 mentions in open access literature.

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

Eller S, et al. (2025) Exploiting metabolic adaptations to overcome dabrafenib treatment resistance in melanoma cells. Molecular oncology.

Murali VS, et al. (2024) RhoA activation promotes glucose uptake to elevate proliferation in MAPK inhibitor resistant melanoma cells. bioRxiv : the preprint server for biology.

Waddell A, et al. (2024) p300 KAT Regulates SOX10 Stability and Function in Human Melanoma. Cancer research communications, 4(8), 1894.

Noujarède J, et al. (2023) Sphingolipid paracrine signaling impairs keratinocyte adhesion to promote melanoma invasion. Cell reports, 42(12), 113586.

Nguyen TT, et al. (2021) Mutations in the IFN?-JAK-STAT Pathway Causing Resistance to Immune Checkpoint Inhibitors in Melanoma Increase Sensitivity to Oncolytic Virus Treatment. Clinical cancer research : an official journal of the American Association for Cancer Research, 27(12), 3432.

Hanniford D, et al. (2020) Epigenetic Silencing of CDR1as Drives IGF2BP3-Mediated Melanoma Invasion and Metastasis. Cancer cell, 37(1), 55.

Hyenne V, et al. (2019) Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. Developmental cell, 48(4), 554.

Malcov-Brog H, et al. (2018) UV-Protection Timer Controls Linkage between Stress and Pigmentation Skin Protection Systems. Molecular cell, 72(3), 444.