

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

KYSE-510

RRID:CVCL_1354

Type: Cell Line

Proper Citation

RRID:CVCL_1354

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1354

Proper Citation: RRID:CVCL_1354

Description: Cell line KYSE-510 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Esophageal squamous cell carcinoma

Defining Citation: [PMID:1728357](#), [PMID:7913084](#), [PMID:8575860](#), [PMID:9033652](#), [PMID:11092977](#), [PMID:15172977](#), [PMID:16045545](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25984343](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#)

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: KYSE-510

Synonyms: KYSE 510, Kyse-510, KYSE510, Kyse510

Cross References: CLO:CLO_0007135, EFO:EFO_0006631, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:921, BioSample:SAMN03471052, BioSample:SAMN03473323, BioSample:SAMN10988378, cancercellines:CVCL_1354, Cell_Model_Passport:SIDM01026, CGH-DB:288-1, CGH-DB:9237-4, ChEMBL-Cells:ChEMBL3308081, ChEMBL-Targets:ChEMBL613868, Cosmic:907321,

Cosmic:918535, Cosmic:929527, Cosmic:1123343, Cosmic:2267703, Cosmic:2395007, Cosmic:2698444, Cosmic-CLP:907321, DepMap:ACH-000824, DSMZ:ACC-374, DSMZCellDive:ACC-374, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:907321, GEO:GSM827539, GEO:GSM887254, GEO:GSM888329, GEO:GSM1670024, IARC_TP53:7686, IARC_TP53:21453, JCRB:JCRB1436, LiGeA:CCLE_857, LINCS_LDP:LCL-1555, PharmacDB:KYSE510_810_2019, PRIDE:PXD030304, Progenetix:CVCL_1354, PubChem_Cell_line:CVCL_1354, Wikidata:Q54900833

ID: CVCL_1354

Record Creation Time: 20220427T220712+0000

Record Last Update: 20260913T004713+0000

Ratings and Alerts

No rating or validation information has been found for KYSE-510.

No alerts have been found for KYSE-510.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 123 mentions in open access literature.

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

Liao H, et al. (2026) Ectopic CD11c Drives SMAD3-Mediated Aberrant Antigen Presentation and Epithelial-Mesenchymal Transition in Esophageal Squamous Cell Carcinoma. Cancer communications (London, England), 46, 0014.

Yuan H, et al. (2026) Clinofibrate Disrupts the SNORA80B/YTHDC1-Driven M6A Modification to Suppress Cholesterol Metabolism and Cisplatin Resistance in ESCC. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(3), e09574.

Fang X, et al. (2026) The AGPS regulatory variant rs113671272 confers esophageal squamous cell carcinoma susceptibility through allele-specific MEIS3 binding and NF-??B activation in Chinese populations. EBioMedicine, 127, 106249.

Chen Y, et al. (2026) PDIA6 promotes the cell proliferation of ESCC by enhancing the disulfide bond formation in TRAF4. Cellular & molecular biology letters, 31(1).

Zhu L, et al. (2026) A Circulating GPNMB-Based Multimodal Model Integrates Tumor-Immune Crosstalk to Predict Immunotherapy Response in Esophageal Cancer. Cancer discovery, 16(7), 1360.

Zhao H, et al. (2025) Elucidating the role of N-myristoylation in the excessive membrane localization of PD-L1 in hypoxic cancers and developing a novel NMT1 inhibitor for combination with immune checkpoint blockade therapy. *Journal of experimental & clinical cancer research* : CR, 44(1), 181.

Cao K, et al. (2024) Analysis of multiple programmed cell death-related prognostic genes and functional validations of necroptosis-associated genes in oesophageal squamous cell carcinoma. *EBioMedicine*, 99, 104920.

Shi Q, et al. (2024) Phospholipase PLCE1 Promotes Transcription and Phosphorylation of MCM7 to Drive Tumor Progression in Esophageal Cancer. *Cancer research*, 84(4), 560.

Chen X, et al. (2024) Alarmin S100A8 imparts chemoresistance of esophageal cancer by reprogramming cancer-associated fibroblasts. *Cell reports. Medicine*, 5(6), 101576.

Han L, et al. (2024) Periplcymarin targets glycolysis and mitochondrial oxidative phosphorylation of esophageal squamous cell carcinoma: Implication in anti-cancer therapy. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 128, 155539.

Hofman DA, et al. (2024) Translation of non-canonical open reading frames as a cancer cell survival mechanism in childhood medulloblastoma. *Molecular cell*, 84(2), 261.

Zhang C, et al. (2024) Re-evaluation of the relationship between PrPc expression and patient prognosis in primary esophageal squamous cell carcinoma and primary hepatocellular carcinoma. *Scientific reports*, 14(1), 31122.

Gao W, et al. (2024) Enhancer demethylation-regulated gene score identified molecular subtypes, inspiring immunotherapy or CDK4/6 inhibitor therapy in oesophageal squamous cell carcinoma. *EBioMedicine*, 105, 105177.

Zhang R, et al. (2024) Plasma CircCYP24A1 as a Novel Biomarker of Esophageal Squamous Cell Carcinoma. *Technology in cancer research & treatment*, 23, 15330338241295313.

Wen B, et al. (2023) Co-Expression of Chromatin Assembly Factor 1 Subunit A and Proliferating Cell Nuclear Antigen Is a Prognostic Biomarker of Esophageal Cancer. *Biomedicines*, 11(4).

Jia X, et al. (2023) Toosendanin targeting eEF2 impedes Topoisomerase I & II protein translation to suppress esophageal squamous cell carcinoma growth. *Journal of experimental & clinical cancer research* : CR, 42(1), 97.

Liu XY, et al. (2023) Single-cell transcriptomic analysis deciphers key transitional signatures associated with oncogenic evolution in human intramucosal oesophageal squamous cell carcinoma. *Clinical and translational medicine*, 13(3), e1203.

Yang J, et al. (2023) Comprehensive Analyses Reveal Effects on Tumor Immune Infiltration and Immunotherapy Response of APOBEC Mutagenesis and Its Molecular Mechanisms in Esophageal Squamous Cell Carcinoma. *International journal of biological sciences*, 19(8), 2551.

Cheng W, et al. (2023) lncRNA TPT1-AS1 promotes cell migration and invasion in esophageal squamous-cell carcinomas by regulating the miR-26a/HMGA1 axis. *Open medicine (Warsaw, Poland)*, 18(1), 20220533.

Tan Z, et al. (2023) Multigene Profiling of Circulating Tumor Cells in Esophageal Squamous Cell Carcinoma Identifies Prognostic Cancer Driver Genes Associated with Epithelial-Mesenchymal-Transition Progression and Chemoresistance. *Cancers*, 15(22).