

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 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: 20260829T234437+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 [dkNET](#) .

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.

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.

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.

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.

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.

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.

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).

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.

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.

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.

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.

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).