

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

KYSE-450

RRID:CVCL_1353

Type: Cell Line

Proper Citation

RRID:CVCL_1353

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1353

Proper Citation: RRID:CVCL_1353

Description: Cell line KYSE-450 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

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:26512696](#), [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-450

Synonyms: KYSE 450, KYSE450, Kyse450

Cross References: CLO:CLO_0007134, EFO:EFO_0006630, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:574, BioSample:SAMN03471051, BioSample:SAMN10987615, cancercellines:CVCL_1353, Cell_Model_Passport:SIDM01027, CGH-DB:287-1, CGH-DB:9236-4, ChEMBL-Cells:ChEMBL3308755, ChEMBL-Targets:ChEMBL1075488, Cosmic:801334,

Cosmic:907320, Cosmic:918534, Cosmic:983846, Cosmic:1123342, Cosmic:1339910, Cosmic:2267702, Cosmic:2395005, Cosmic:2650635, Cosmic:2698443, Cosmic-CLP:907320, DepMap:ACH-000865, DSMZ:ACC-387, DSMZCellDive:ACC-387, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:907320, GEO:GSM827540, GEO:GSM887253, GEO:GSM888328, GEO:GSM1374612, GEO:GSM1670022, IARC_TP53:7685, IARC_TP53:21452, JCRB:JCRB1430, LiGeA:CCLE_901, LINCS_HMS:50027, LINCS_LDP:LCL-1550, PharmacDB:KYSE450_808_2019, PRIDE:PXD030304, Progenetix:CVCL_1353, PubChem_Cell_line:CVCL_1353, Wikidata:Q54900831

ID: CVCL_1353

Record Creation Time: 20220427T220712+0000

Record Last Update: 20260905T180958+0000

Ratings and Alerts

No rating or validation information has been found for KYSE-450.

No alerts have been found for KYSE-450.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 153 mentions in open access literature.

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

Peng P, et al. (2026) Lactylome Reprogramming Mediates Therapeutic Response and Adaptation to Neoadjuvant Chemotherapy in Esophageal Squamous Cell Carcinoma. Molecular & cellular proteomics : MCP, 25(5), 101561.

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.

Yuan H, et al. (2026) Clonofibrate 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.

- Lung BC, et al. (2026) Patient-derived organoid xenografts model esophageal cancer cachexia and enable assessment of anti-inflammatory drug repositioning. *iScience*, 29(2), 114638.
- Zhang J, et al. (2026) RNA exonuclease REXO4 resolves m6A-marked R-loops and suppresses anti-tumor immunity. *Molecular cell*.
- Wang HL, et al. (2025) Anovel anti-B7-H3 nanobody and its DM1 conjugate with marked anti-tumor activity against esophageal squamous cell carcinoma. *International journal of biological macromolecules*, 322(Pt 4), 147025.
- 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.
- 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 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.
- Yuan Q, et al. (2024) Domperidone inhibits cell proliferation via targeting MEK and CDK4 in esophageal squamous cell carcinoma. *Cancer cell international*, 24(1), 114.
- Chen X, et al. (2024) Alarmin S100A8 imparts chemoresistance of esophageal cancer by reprogramming cancer-associated fibroblasts. *Cell reports. Medicine*, 5(6), 101576.
- Liu Y, et al. (2023) PSMD2 contributes to the progression of esophageal squamous cell carcinoma by repressing autophagy. *Cell & bioscience*, 13(1), 67.
- Guan H, et al. (2023) Long non-coding RNA ESCCAL-1/miR-590/LRP6 signaling pathway participates in the progression of esophageal squamous cell carcinoma. *Cancer medicine*, 12(1), 445.
- Chen L, et al. (2023) RBM4 dictates ESCC cell fate switch from cellular senescence to glutamine-addiction survival through inhibiting LKB1-AMPK-axis. *Signal transduction and targeted therapy*, 8(1), 159.
- Liu X, et al. (2023) Dasabuvir suppresses esophageal squamous cell carcinoma growth in vitro and in vivo through targeting ROCK1. *Cell death & disease*, 14(2), 118.
- Jiang H, et al. (2023) Targeting EFNA1 suppresses tumor progression via the cMYC-modulated cell cycle and autophagy in esophageal squamous cell carcinoma. *Discover. Oncology*, 14(1), 64.
- Zheng Y, et al. (2023) Anti-PAI-1 Monoclonal Antibody Inhibits the Metastasis and Growth of Esophageal Squamous Cell Carcinoma. *Journal of Cancer*, 14(1), 114.
- Liang F, et al. (2023) Long noncoding RNA LINC01088 inhibits esophageal squamous cell carcinoma progression by targeting the NPM1-HDM2-p53 axis. *Acta biochimica et biophysica Sinica*, 55(3), 367.