

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.

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.

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.
- 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.
- 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.
- 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.
- 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.
- 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.