

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

K1

RRID:CVCL_2537

Type: Cell Line

Proper Citation

RRID:CVCL_2537

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2537

Proper Citation: RRID:CVCL_2537

Description: Cell line K1 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Thyroid gland papillary carcinoma

Defining Citation: [PMID:9054892](#), [PMID:17725429](#), [PMID:18713817](#), [PMID:19087340](#), [PMID:20143388](#), [PMID:22087789](#), [PMID:23162534](#), [PMID:25675381](#), [PMID:30737244](#)

Comments: Population: Caucasian; Italian., Problematic cell line: Contaminated. Shown to be a GLAG-66 derivative (PubMed=19087340; PubMed=20143388)..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: K1

Synonyms: K-1

Cross References: BTO:BTO_0006405, CLO:CLO_0007052, EFO:EFO_0022674, CLDB:cl2988, AddexBio:C0025003/51, BCRJ:0292, BioSample:SAMN03151643, cancercellines:CVCL_2537, Cosmic:928833, Cosmic:1084280, Cosmic:1132597, Cosmic:1162845, Cosmic:1239966, Cosmic:1280046, Cosmic:1507368, Cosmic:1533546, Cosmic:1536121, Cosmic:1889001, Cosmic:2036691, Cosmic:2319846, Cosmic:2613254, Cosmic:2791088, ECACC:92030501, ENCODE:ENCBS044KRF, ENCODE:ENCBS536QZY, IARC_TP53:25012, PharmacODB:K1_720_2019, Wikidata:Q54899238

ID: CVCL_2537

Hierarchy: cvcl_9918

Record Creation Time: 20220427T220654+0000

Record Last Update: 20260815T234405+0000

Ratings and Alerts

No rating or validation information has been found for K1.

Warning: Problematic cell line: Contaminated. Shown to be a GLAG-66 derivative (PubMed=19087340; PubMed=20143388).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00218.

Population: Caucasian; Italian., Problematic cell line: Contaminated. Shown to be a GLAG-66 derivative (PubMed=19087340; PubMed=20143388)..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Lv C, et al. (2026) circPTPRM can encode a functional polypeptide circPTPRM-187aa to promote papillary thyroid carcinoma progression. Molecular and cellular endocrinology, 614, 112734.

Ablinger C, et al. (2026) Combination of Lenvatinib and Antibiotics: A Potential Approach to Enhance Sensitivity in Differentiated Thyroid Cancer. International journal of cancer.

Han Y, et al. (2025) TGF- β 1-based restoration of sodium iodide symporter expression in radioiodine-refractory differentiated thyroid cancer via engineered MSCs. Molecular therapy : the journal of the American Society of Gene Therapy, 33(12), 6130.

Taico Oliva C, et al. (2025) Cannabinoid Derived Product is a Potential Novel Therapeutic for Papillary Thyroid Carcinoma. Integrative cancer therapies, 24, 15347354251332966.

Manso J, et al. (2024) First Evidence of Mineralocorticoid Receptor Gene and Protein Expression in Rat and Human Thyroid Tissues and Cell Cultures. International journal of molecular sciences, 25(2).

Muzza M, et al. (2024) Extra-nuclear TERT counteracts oxidative stress and promotes progression in papillary thyroid carcinoma. Translational research : the journal of

laboratory and clinical medicine, 271, 1.

Poyil PK, et al. (2024) PLK1 and FoxM1 expressions positively correlate in papillary thyroid carcinoma and their combined inhibition results in synergistic anti-tumor effects. *Molecular oncology*, 18(3), 691.

Manso J, et al. (2024) Anti-Proliferative and Anti-Migratory Activity of Licorice Extract and Glycyrrhetic Acid on Papillary Thyroid Cancer Cell Cultures. *International journal of molecular sciences*, 25(19).

Poyil PK, et al. (2023) Overexpression of the pro-protein convertase furin predicts prognosis and promotes papillary thyroid carcinoma progression and metastasis through RAF/MEK signaling. *Molecular oncology*.

Gao Y, et al. (2022) BRAFV600E Mutation-Responsive miRNA-222-3p Promotes Metastasis of Papillary Thyroid Cancer Cells via Snail-Induced EMT. *Frontiers in endocrinology*, 13, 843334.

Li Y, et al. (2022) NCOA3 is a critical oncogene in thyroid cancer via the modulation of major signaling pathways. *Endocrine*, 75(1), 149.

Zhang Q, et al. (2021) Hsa_circ_0023990 Promotes Tumor Growth and Glycolysis in Dedifferentiated TC via Targeting miR-485-5p/FOXO1 Axis. *Endocrinology*, 162(12).

Zhou H, et al. (2020) Chaperone-mediated Autophagy Governs Progression of Papillary Thyroid Carcinoma via PPAR γ -SDF1/CXCR4 Signaling. *The Journal of clinical endocrinology and metabolism*, 105(10).

Geng H, et al. (2020) SHCBP1 Promotes Papillary Thyroid Carcinoma Carcinogenesis and Progression Through Promoting Formation of Integrin and Collagen and Maintaining Cell Stemness. *Frontiers in endocrinology*, 11, 613879.

Caria P, et al. (2019) Characterizing the three-dimensional organization of telomeres in papillary thyroid carcinoma cells. *Journal of cellular physiology*, 234(4), 5175.

Marlow LA, et al. (2018) Methodology, Criteria, and Characterization of Patient-Matched Thyroid Cell Lines and Patient-Derived Tumor Xenografts. *The Journal of clinical endocrinology and metabolism*, 103(9), 3169.

Kaptan E, et al. (2018) The effect of plant lectins on the survival and malignant behaviors of thyroid cancer cells. *Journal of cellular biochemistry*, 119(7), 6274.

Franceschi S, et al. (2017) Loss of c-KIT expression in thyroid cancer cells. *PloS one*, 12(3), e0173913.