Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

ARPE-19

RRID:CVCL_0145
Type: Cell Line

Proper Citation

(CLS Cat# 305025, RRID:CVCL_0145)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0145

Proper Citation: (CLS Cat# 305025, RRID:CVCL_0145)

Sex: Male

Defining Citation: PMID:8698076, PMID:11504951, PMID:14551534, PMID:16262907, PMID:21697133, PMID:24251032, PMID:25177495, PMID:27499609, PMID:28978645, PMID:29476476, PMID:30167441, PMID:31254428, PMID:31412689

Comments: Anecdotal: The number 19 in the cell line name is due to the fact that this cell line was established from a 19-year-old male who died from head trauma in a motor vehicle accident., Omics: Transcriptome analysis by microarray., Omics: Metabolome analysis., Omics: Deep quantitative phosphoproteome analysis., Omics: Deep proteome analysis.

Category: Spontaneously immortalized cell line

Name: ARPE-19

Synonyms: ARPE19, Adult Retinal Pigment Epithelial cell line-19, NTC-200, NTC200

Cross References: BTO:BTO_0002335, CLO:CLO_0001749, EFO:EFO_0006271, MCCL:MCC:0000038, ATCC:CRL-2302, BCRC:60383, BCRJ:0041, BioSample:SAMN03471862, CCRID:3101HUMGNHu45, CCRID:4201HUM-CCTCC00323, CCTCC:GDC0323, ChEMBL-Cells:CHEMBL4295388, ChEMBL-Targets:CHEMBL4296399, CLS:305025, ENCODE:ENCBS054LTE, ENCODE:ENCBS534TJM, GEO:GSM1227434, IZSLER:BS CL 193, Lonza:871, MetaboLights:MTBLS213, PRIDE:PXD006125, PRIDE:PXD006269, PRIDE:PXD009607, PubChem_Cell_line:CVCL_0145, Ubigene:YC-C033, Wikidata:Q28812659

ID: CVCL_0145

Vendor: CLS

Catalog Number: 305025

Record Creation Time: 20250131T193933+0000

Record Last Update: 20250131T194149+0000

Ratings and Alerts

No rating or validation information has been found for ARPE-19.

No alerts have been found for ARPE-19.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1856 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhao A, et al. (2024) Circ_0053943 complexed with IGF2BP3 drives uveal melanoma progression via regulating N6-methyladenosine modification of Epidermal growth factor receptor. Oncology research, 32(5), 983.

Samer C, et al. (2024) Multi-targeted loss of the antigen presentation molecule MR1 during HSV-1 and HSV-2 infection. iScience, 27(2), 108801.

Yin J, et al. (2024) Gentiopicroside inhibits retinoblastoma cell proliferation, invasion, and tumorigenesis in nude mice by suppressing the PI3K/AKT pathway. Naunyn-Schmiedeberg's archives of pharmacology, 397(2), 1003.

Ma X, et al. (2024) A programmable targeted protein-degradation platform for versatile applications in mammalian cells and mice. Molecular cell.

Singh S, et al. (2024) Targeting ABCG1 and SREBP-2 mediated cholesterol homeostasis ameliorates Zika virus-induced ocular pathology. iScience, 27(3), 109088.

Mao L, et al. (2024) Olgotrelvir, a dual inhibitor of SARS-CoV-2 Mpro and cathepsin L, as a standalone antiviral oral intervention candidate for COVID-19. Med (New York, N.Y.), 5(1), 42.

Haase A, et al. (2024) New retinoblastoma (RB) drug delivery approaches: anti-tumor effect of atrial natriuretic peptide (ANP)-conjugated hyaluronic-acid-coated gold nanoparticles for intraocular treatment of chemoresistant RB. Molecular oncology.

Lunegova DA, et al. (2024) Antioxidant properties of the soluble carotenoprotein AstaP and its feasibility for retinal protection against oxidative stress. The FEBS journal.

Tao W, et al. (2024) Single-cell senescence identification reveals senescence heterogeneity, trajectory, and modulators. Cell metabolism, 36(5), 1126.

van Gemert F, et al. (2024) ADARp150 counteracts whole genome duplication. Nucleic acids research, 52(17), 10370.

Gahlot P, et al. (2024) Lysosomal damage sensing and lysophagy initiation by SPG20-ITCH. Molecular cell.

Wong CH, et al. (2024) Genome-scale requirements for dynein-based transport revealed by a high-content arrayed CRISPR screen. The Journal of cell biology, 223(5).

Walker TJ, et al. (2024) Loss of tumor suppressor TMEM127 drives RET-mediated transformation through disrupted membrane dynamics. eLife, 12.

Longo M, et al. (2024) Opposing roles for AMPK in regulating distinct mitophagy pathways. Molecular cell, 84(22), 4350.

Okano F, et al. (2023) Identification of Membrane-expressed CAPRIN-1 as a Novel and Universal Cancer Target, and Generation of a Therapeutic Anti-CAPRIN-1 Antibody TRK-950. Cancer research communications, 3(4), 640.

Zhao N, et al. (2023) Generation of host-directed and virus-specific antivirals using targeted protein degradation promoted by small molecules and viral RNA mimics. Cell host & microbe, 31(7), 1154.

Zhang ZY, et al. (2023) Promotion of axon regeneration and protection on injured retinal ganglion cells by rCXCL2. Inflammation and regeneration, 43(1), 31.

Zhu JY, et al. (2023) Hyperglycemia-regulated tRNA-derived fragment tRF-3001a propels neurovascular dysfunction in diabetic mice. Cell reports. Medicine, 4(10), 101209.

Dörschmann P, et al. (2023) Comparison of Fucoidans from Saccharina latissima Regarding Age-Related Macular Degeneration Relevant Pathomechanisms in Retinal Pigment Epithelium. International journal of molecular sciences, 24(9).

Mayca Pozo F, et al. (2023) MYO10 regulates genome stability and cancer inflammation through mediating mitosis. Cell reports, 42(5), 112531.