

Resource Summary Report

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C6

RRID:CVCL_0194

Type: Cell Line

Proper Citation

(RRID:CVCL_0194)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0194

Proper Citation: (RRID:CVCL_0194)

Description: Cell line C6 is a Cancer cell line with a species of origin Rattus norvegicus (Rat)

Sex: Male

Disease: Rat malignant glioma

Defining Citation: [PMID:3468959](#), [PMID:4873531](#), [PMID:19381449](#), [PMID:25492533](#), [PMID:34917708](#)

Comments: Breed/subspecies: Wistar Furth., Derived from sampling site: Brain., Omics: Mitochondrial genome sequenced., Omics: Deep quantitative proteome analysis., Transformant: ChEBI; CHEBI:50102; N-methyl-N-nitrosourea (NMU)., Doubling time: ~24 hours (CLS=500142); ~25-30 hours (DSMZ=ACC-550).

Category: Cancer cell line

Organism: Rattus norvegicus (Rat)

Name: C6

Synonyms: C-6, C 6, RGC-6, RGC6, RGc6

Cross References: BTO:BTO:0000529, CLO:CLO_0002072, CLO:CLO_0002140, CLO:CLO_0051387, CLO:CLO_0051388, MCCL:MCC:0000085, CLDB:cl579, CLDB:cl580, CLDB:cl581, CLDB:cl583, CLDB:cl5165, ATCC:CCL-107, BCRC:60046, BCRJ:0057,

CCRID:1101RAT-PUMC000131, CCRID:1102RAT-NIFDC00048, CCRID:3101RATTTCR1, ChEMBL-Cells:ChEMBL3308345, ChEMBL-Targets:ChEMBL614657, CLS:500142, DSMZ:ACC-550, DSMZCellDive:ACC-550, ECACC:92090409, ICLC:ATL95007, IZSLER:BS TCL 5, JCRB:IFO50110, JCRB:JCRB9096, KCB:KCB 93026YJ, KCLB:10107, Lonza:27, NCBI_Iran:C575, PRIDE:PXD026776, PubChem_Cell_line:CVCL_0194, RCB:RCB2783, RCB:RCB2854, TKG:TKG 0242, TKG:TKG 0589, TOKU-E:750, Wikidata:Q54808212

ID: CVCL_0194

Record Creation Time: 20220427T215435+0000

Record Last Update: 20250420T104619+0000

Ratings and Alerts

No rating or validation information has been found for C6.

No alerts have been found for C6.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Afsordeh N, et al. (2024) Eslicarbazepine induces apoptosis and cell cycle arrest in C6 glioma cells in vitro and suppresses tumor growth in an intracranial rat model. BMC cancer, 24(1), 1099.

Muñoz-Galdeano T, et al. (2024) Identification of a New Role of miR-199a-5p as Factor Implied in Neuronal Damage: Decreasing the Expression of Its Target X-Linked Anti-Apoptotic Protein (XIAP) After SCI. International journal of molecular sciences, 25(22).

Naima J, et al. (2024) Potassium Ions Decrease Mitochondrial Matrix pH: Implications for ATP Production and Reactive Oxygen Species Generation. International journal of molecular sciences, 25(2).

Saraiva JT, et al. (2024) Antitumor Effect of Butia odorata Hydroalcoholic Extract on C6 and U87MG Glioma Cell Lines: Impact on Redox Status and Inflammation Signaling. Neurochemical research, 50(1), 56.

Vázquez-Cabrera G, et al. (2024) ID2-ETS2 axis regulates the transcriptional acquisition of pro-tumoral microglia phenotype in glioma. *Cell death & disease*, 15(7), 512.

Biswas I, et al. (2024) Ultrastructural and immunohistochemical insights on the anti-glioma effects of a dual-drug cocktail in an in vivo experimental model. *Journal of chemotherapy* (Florence, Italy), 1.

Sun K, et al. (2023) Oncolytic Viral Therapy for Glioma by Recombinant Sindbis Virus. *Cancers*, 15(19).

Malekpour MR, et al. (2023) Combination nanochemotherapy of brain tumor using polymeric nanoparticles loaded with doxorubicin and paclitaxel: An in vitro and in vivo study. *European journal of pharmaceutics and biopharmaceutics : official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V*, 193, 175.

Zhang RY, et al. (2023) Electroacupuncture Stimulation Alleviates Inflammatory Pain in Male Rats by Suppressing Oxidative Stress. *Physiological research*, 72(5), 657.

Soto A, et al. (2023) Evaluation of Poly(N-Ethyl Pyrrolidine Methacrylamide) (EPA) and Derivatives as Polymeric Vehicles for miRNA Delivery to Neural Cells. *Pharmaceutics*, 15(5).

Cabral-Costa JV, et al. (2023) Mitochondrial sodium/calcium exchanger NCLX regulates glycolysis in astrocytes, impacting on cognitive performance. *Journal of neurochemistry*, 165(4), 521.

Bayat H, et al. (2023) Synthetic miR-21 decoy circularized by tRNA splicing mechanism inhibited tumorigenesis in glioblastoma in vitro and in vivo models. *Molecular therapy. Nucleic acids*, 32, 432.

Biswas I, et al. (2023) Unveiling the anti-glioma potential of a marine derivative, Fucoidan: its synergistic cytotoxicity with Temozolomide-an in vitro and in silico experimental study. *3 Biotech*, 13(12), 397.

Bartelt-Kirbach B, et al. (2023) Regulation of rat HspB5/alphaB-Crystallin by microRNAs miR-101a-3p, miR-140-5p, miR-330-5p, and miR-376b-3p. *Cell stress & chaperones*, 28(6), 787.

Cammann C, et al. (2023) Proteasome inhibition potentiates Kv1.3 potassium channel expression as therapeutic target in drug-sensitive and -resistant human melanoma cells. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 168, 115635.

Kleszcz R, et al. (2023) Tannins in cancer prevention and therapy. *British journal of pharmacology*.

Wang S, et al. (2023) Oncolytic viruses engineered to enforce cholesterol efflux restore tumor-associated macrophage phagocytosis and anti-tumor immunity in glioblastoma. *Nature communications*, 14(1), 4367.

Gale JR, et al. (2023) Copper induces neuron-sparing, ferredoxin 1-independent astrocyte

toxicity mediated by oxidative stress. Journal of neurochemistry, 167(2), 277.

Adachi C, et al. (2022) Cholesterol-induced robust Ca oscillation in astrocytes required for survival and lipid droplet formation in high-cholesterol condition. iScience, 25(10), 105138.

Tirgar F, et al. (2022) Preclinical gene therapy in glioblastoma multiforme: Using olfactory ensheathing cells containing a suicide gene. Life sciences, 311(Pt A), 121132.