Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 2, 2024

HT22

RRID:CVCL_0321
Type: Cell Line

Proper Citation

(Millipore Cat# SCC129, RRID:CVCL_0321)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0321

Proper Citation: (Millipore Cat# SCC129, RRID:CVCL_0321)

Description: Cell line HT22 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Defining Citation: PMID:7953717, PMID:9292733, PMID:19135458, PMID:26227174, PMID:33430126

Comments: Derived from sampling site: Brain; hippocampus. Cell type=Neuron., Omics: Secretome proteome analysis., Omics: Deep quantitative phosphoproteome analysis., Transformant: NCBI_TaxID; 1891767; Simian virus 40 (SV40) [tsA58]., Characteristics: Highly sensitive to glutamate and is therefore used to study glutamate-induced toxicity in neuronal cells.

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: HT22

Synonyms: HT-22

Cross References: BTO:BTO:0003037, MCCL:MCC:0000214, ChEMBL-Cells:CHEMBL3307590, ChEMBL-Targets:CHEMBL614316, CLS:305158, Lonza:248, Millipore:SCC129, PRIDE:PXD001597, PRIDE:PXD023294, PubChem_Cell_line:CVCL_0321, Wikidata:Q54896579

ID: CVCL_0321

Vendor: Millipore

Catalog Number: SCC129

Hierarchy: CVCL_U378

Ratings and Alerts

No rating or validation information has been found for HT22.

No alerts have been found for HT22.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1135 mentions in open access literature.

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

Li B, et al. (2024) Neural stem cell-derived exosomes promote mitochondrial biogenesis and restore abnormal protein distribution in a mouse model of Alzheimer's disease. Neural regeneration research, 19(7), 1593.

Shen J, et al. (2024) Deubiquitylating Enzyme OTUB1 Facilitates Neuronal Survival After Intracerebral Hemorrhage Via Inhibiting NF-?B-triggered Apoptotic Cascades. Molecular neurobiology, 61(3), 1726.

Kaiser S, et al. (2024) Neuroprotection via Carbon Monoxide Depends on the Circadian Regulation of CD36-Mediated Microglial Erythrophagocytosis in Hemorrhagic Stroke. International journal of molecular sciences, 25(3).

Liu J, et al. (2024) Icariin ameliorates glycolytic dysfunction in Alzheimer's disease models by activating the Wnt/?-catenin signaling pathway. The FEBS journal.

Chen H, et al. (2023) Mechanism of SOX10 in ferroptosis of hippocampal neurons after intracerebral hemorrhage via the miR-29a-3p/ACSL4 axis. Journal of neurophysiology, 129(4), 862.

Jin ZL, et al. (2023) Ring Finger Protein 146-mediated Long-chain Fatty-acid-Coenzyme a Ligase 4 Ubiquitination Regulates Ferroptosis-induced Neuronal Damage in Ischemic Stroke. Neuroscience, 529, 148.

Wang Y, et al. (2023) Overexpression of Homer1b/c induces valproic acid resistance in epilepsy. CNS neuroscience & therapeutics, 29(1), 331.

Peng Z, et al. (2023) Cytopathic and Genomic Characteristics of a Human-Originated Pseudorabies Virus. Viruses, 15(1).

Bengson EF, et al. (2023) Quantitative omics analyses of NCOA4 deficiency reveal an integral role of ferritinophagy in iron homeostasis of hippocampal neuronal HT22 cells. Frontiers in nutrition, 10, 1054852.

Wang Q, et al. (2023) Chemokine receptor 7 mediates miRNA-182 to regulate cerebral ischemia/reperfusion injury in rats. CNS neuroscience & therapeutics, 29(2), 712.

Shin S, et al. (2023) Changes of lysosome by L-serine in rotenone-treated hippocampal neurons. Applied microscopy, 53(1), 1.

Zhang G, et al. (2023) Sigma-1 receptor-regulated efferocytosis by infiltrating circulating macrophages/microglial cells protects against neuronal impairments and promotes functional recovery in cerebral ischemic stroke. Theranostics, 13(2), 543.

Megat S, et al. (2023) Integrative genetic analysis illuminates ALS heritability and identifies risk genes. Nature communications, 14(1), 342.

Hanke N, et al. (2023) Inhibition of autophagy rescues HT22 hippocampal neurons from erastin-induced ferroptosis. Neural regeneration research, 18(7), 1548.

Zhang Y, et al. (2023) Role of Autophagy Mediated by AMPK/DDiT4/mTOR Axis in HT22 Cells Under Oxygen and Glucose Deprivation/Reoxygenation. ACS omega, 8(10), 9221.

Choi YJ, et al. (2023) Protective Effects of PEP-1-GSTA2 Protein in Hippocampal Neuronal Cell Damage Induced by Oxidative Stress. International journal of molecular sciences, 24(3).

Li J, et al. (2023) Protective effects of baicalin against L-glutamate-induced oxidative damage in HT-22 cells by inhibiting NLRP3 inflammasome activation via Nrf2/HO-1 signaling. Iranian journal of basic medical sciences, 26(3), 351.

Yang L, et al. (2023) Nicotine rebalances NAD+ homeostasis and improves aging-related symptoms in male mice by enhancing NAMPT activity. Nature communications, 14(1), 900.

Du W, et al. (2023) Transcriptomics-based investigation of molecular mechanisms underlying synergistic antimicrobial effects of AgNPs and Domiphen on the human fungal pathogen Aspergillus fumigatus. Frontiers in microbiology, 14, 1089267.

Lin J, et al. (2023) Epigenome-wide DNA methylation analysis of myasthenia gravis. FEBS open bio, 13(7), 1375.