

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

16HBE14o-

RRID:CVCL_0112

Type: Cell Line

Proper Citation

Millipore Cat# SCC150, RRID:CVCL_0112

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0112

Proper Citation: Millipore Cat# SCC150, RRID:CVCL_0112

Description: Cell line 16HBE14o- is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:1282304](#), [PMID:7507342](#), [PMID:9614386](#), [PMID:10498856](#), [PMID:12711171](#), [PMID:15463957](#), [PMID:18441018](#), [PMID:28970102](#)

Comments: Characteristics: Widely used to model barrier function of the airway epithelium and to study respiratory ion transport as well as the function of CFTR (Millipore=SCC150).

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: 16HBE14o-

Synonyms: 16-HBE14o, 16HBE140, 16-HBEo, 16HBEo-, 16-HBE, 16HBE

Cross References: BTO:BTO_0002734, MCCL:MCC:0000003, ArrayExpress:E-MTAB-4194, ChEMBL-Cells:ChEMBL4295404, ChEMBL-Targets:ChEMBL4296395, CLS:305234, Millipore:SCC150, PRIDE:PXD006933, PubChem_Cell_line:CVCL_0112, TOKU-E:4023, Wikidata:Q54582314

ID: CVCL_0112

Vendor: Millipore

Catalog Number: SCC150

Record Creation Time: 20220427T215036+0000

Record Last Update: 20260905T184241+0000

Ratings and Alerts

No rating or validation information has been found for 16HBE14o-.

No alerts have been found for 16HBE14o-.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Chen X, et al. (2026) The miR-146a/IGSF11 Axis Potentially Mediates the Protective Effect of Dexmedetomidine Against Cigarette Smoke-Induced Chronic Obstructive Pulmonary Disease. Human mutation, 2026, 1858420.

Li M, et al. (2026) An exosome-biomimetic photothermal nanocarrier for IGF2BP2 siRNA delivery and enhanced ferroptosis in head and neck squamous cell carcinoma. Materials today. Bio, 37, 102999.

Xu Y, et al. (2026) LUMI-lab: A foundation model-driven autonomous platform enabling discovery of ionizable lipid designs for mRNA delivery. Cell, 189(6), 1620.

Xu Y, et al. (2026) KCTD10 weakens m6A modification of IL-11 in a ubiquitin-dependent manner to repress tumour immune escape in lung adenocarcinoma. British journal of pharmacology, 183(16), 4778.

Cao Z, et al. (2026) Study on the mechanism of PSENEN in modulating cisplatin resistance in NSCLC through stromal cell interactions. International immunopharmacology, 169, 116037.

Su H, et al. (2025) Epsin3 promotes non-small cell lung cancer progression via modulating EGFR stability. Cell & bioscience, 15(1), 14.

Zhang Q, et al. (2025) Targeting PGAM5 attenuates airway inflammation in asthma by inhibiting HMGB1 release in bronchial epithelium. Free radical biology & medicine, 228, 207.

Wei Y, et al. (2025) hnRNPA2B1 potentiates the immune escape of non-small cell lung cancer by accelerating tumor microenvironment acidification. Free radical biology & medicine, 237, 52.

Wang Y, et al. (2025) Low-Dose Resveratrol Attenuates Toluene Diisocyanate-Induced Steroid-Resistant Asthma by Inhibiting HMGB1 Acetylation and Release. *Journal of biochemical and molecular toxicology*, 39(12), e70631.

Wu J, et al. (2025) SIRT5 regulates fatty acid oxidation and mitochondrial oxidative stress to exacerbate airway inflammation in experimental asthma. *Cellular signalling*, 136, 112149.

Mattoscio D, et al. (2025) Inflammation and epithelial-mesenchymal transition in a CFTR-depleted human bronchial epithelial cell line revealed by proteomics and human organ-on-a-chip. *The FEBS journal*.

Uden A, et al. (2025) Genotype and transcript processing of the tumour necrosis factor receptor TNFRSF1A in epithelial cells: implications for survival in cystic fibrosis. *EBioMedicine*, 118, 105848.

Zheng J, et al. (2025) DACT3-DVL1 Interaction-Mediated Canonical WNT Signaling Regulates Non-Small Cell Lung Cancer Progression and Cisplatin Resistance. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(16), e70975.

Cheng J, et al. (2024) Nitrogen mustard induces dynamic nuclear protein spectrum change and DNA-protein crosslinking, with p97 mediating repair. *Heliyon*, 10(17), e37401.

Guo H, et al. (2024) Harnessing the CD44-targeted delivery of self-assembled hyaluronan nanogel to reverse the antagonism between Cisplatin and Gefitinib in NSCLC cancer therapy. *Carbohydrate polymers*, 344, 122521.

Chang W, et al. (2024) Effect of allyl isothiocyanate on 4-HNE induced glucocorticoid resistance in COPD and the underlying mechanism. *Heliyon*, 10(17), e37275.

Gao S, et al. (2024) Calreticulin-driven autophagy enhances cell proliferation in laryngeal squamous cell carcinoma. *Tissue & cell*, 91, 102603.

Bulcaen M, et al. (2024) Prime editing functionally corrects cystic fibrosis-causing CFTR mutations in human organoids and airway epithelial cells. *Cell reports. Medicine*, 5(5), 101544.

Kerschner JL, et al. (2023) Cellular heterogeneity in the 16HBE14o- airway epithelial line impacts biological readouts. *Physiological reports*, 11(11), e15700.

Fernandes M, et al. (2023) MET exon 14 skipping mutation is a hepatocyte growth factor (HGF)-dependent oncogenic driver in vitro and in humanized HGF knock-in mice. *Molecular oncology*.