

NCI-H1993 | 305463

General information

Description	NCI-H1993 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is characterized by the presence of a KRAS mutation, which is a common driver mutation in NSCLC. NCI-H1993 is a highly proliferative cell line that is sensitive to treatment with MET inhibitors such as crizotinib and tepotinib. It is also sensitive to treatment with RAS/RAF/ERK inhibitors. NCI-H1993 is a cell line that is used for the study of lung cancer and for the development of new therapies for NSCLC. NCI-H1993 is a cell line that is used for the study of lung cancer and for the development of new therapies for NSCLC.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung cancer
Metastatic site	Adipose tissue
Synonyms	H1993, H-1993, NCIH1993

Cell characteristics

Age	47 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	NCI-H1993 (Cytion 305463)
Biosafety level	1
NCBI_TaxID	9606

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CellosaurusAccession CVCL_1512

NCI-H1993 - NCI-H1993

Mutational profile TP53, p.Cys242Trp (c.726C>G),

NCI-H1993

Culture Medium RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent

Split ratio 1:2 1:6.

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

37°C, 5% CO₂, [REDACTED] [REDACTED]

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-78°C

[illegible]

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