

# NCI-H322 | 305839

## General Information

<b>Description</b>	NCI-H322 is a cell line derived from a patient with Non-Small Cell Lung Cancer (NSCLC). It is characterized by a KRAS mutation and is sensitive to MAPK/ERK and PI3K inhibitors. NCI-H322 cells are highly proliferative and are used for drug screening and research. It is a cell line derived from a patient with Non-Small Cell Lung Cancer (NSCLC). It is characterized by a KRAS mutation and is sensitive to MAPK/ERK and PI3K inhibitors. NCI-H322 cells are highly proliferative and are used for drug screening and research.
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Non-Small Cell Lung Cancer
<b>Synonyms</b>	H322, H-322, H322T, H322T, NCI-H322T, NCIH322T, NCI-322, NCIH322T

## Cell Line Characteristics

<b>Age</b>	52 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Cell type</b>	Epithelial
<b>Growth properties</b>	Adherent

## Identification and Accession

<b>Citation</b>	NCI-H322 (NCI Cell Line Project)   305839
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellSaurusAccession</b>	CVCL_1556

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Cell Line Name

**Mutational profile** TP53 p.Arg248Leu (c.743G>T) (PubMed=1311061 PubMed=1565469 PubMed=10536175)

Cell Line Source

**Culture Medium** RPMI 1640 2.0 2.0 / NaHCO3 (820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Doubling time** 50

**Freeze medium** (10% FBS) + 10% DMSO

Thawing and Culturing Cells

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

**Incubation Atmosphere** 37

