

N_N20R1 Cell Line

Catalogue number: 152840

Sub-type: Continuous

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: N_N20R1 Cell Line

Alternate name:

Class:

Conjugate:

Description: To determine how resistance to MDM2/p53 binding antagonists might develop, NGP cells were exposed to growth inhibitory concentrations of a MDM2 inhibitor, Nutlin-3, and a clonal resistant cell line was generated. The p53 mediated responses of the parental and resistant cell line were compared. In contrast to the parental cell lines, p53 activation by Nutlin-3, MI-63 or ionizing radiation was not observed in the NGP derived cell line, N_N20R1.

Purpose:

Parental cell: NGP

Organism: Human

Tissue: Lung

Model: Cancer Model

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: Resistant cell lines were established by exposing NGP cells to Nutlin-3. Single cell derived colonies were isolated with cloning cylinders and the clonal population expanded in culture

medium containing the MDM2/p53 antagonist refreshed weekly for 60 days. Stage 1 resistant clones were then further exposed to increased concentrations of Nutlin-3 for 30 days to generate stage 2 resistant clones.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: TP53 mutant MDM2-amplified cell lines selected for resistance to MDM2-p53 binding antagonists retain sensitivity to ionizing radiation. ; Drummond et al. 2016. Oncotarget. ∴ PMID: 27323823.

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