
PDX Data Sheet for COG-N-573x

Disease: Neuroblastoma
Phase of Therapy: Diagnosis
Treatment: None
Disease Stage: 4
Gender: Male
Age at diagnosis: 27.7 months
Race: NA
Age at sample collection: 27.7 months
Source of culture: Left Bone Marrow July 2015
Primary tumor site: Adrenal gland, NOS; Suprarenal gland; Adrenal, NOS
Date Established: September 2015

MYCN Patient: Amplified
MYCN PDX: Relative copy number – 44 copies
TH mRNA: Expressed
p53 functionality: NA
Telomere Mechanism: TERT++, C-circle NA
ALK: NA

PDX RNAseq: Available upon request
PDX WES: Available upon request
Strain of Mice: SQ: NSG or Atymic NuNu mice (recommended); TV: NSG only
Injection Type: Subcutaneous (SQ) or Intravenous (TV)
Growth Properties: SQ: 15e6 cells minimum, ~1 month to 1500mm³
 TV: 3e6 cells minimum, ~2 months to max
 Please see Protocols section at
<https://www.cccells.org/protocols.php>

Human vs. Mouse: This PDX model has been tested and confirmed over multiple passages to be above 90% human cells.

STR Profile: May be obtained at <https://strdb.cccells.org/>

Notes: The Childhood Cancer Repository has a matching direct-to-culture cell line available from this same patient – COG-N-573. The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O₂ and 2% O₂ available from this same patient – COG-N-573h and COG-N-573h2.

h-IMPACT Profile I IDEXX: PCR evaluation of EBV, HAAdV, Hantaan, HCMV, Hepatitis A, Hepatitis B, Hepatitis C, HHV 6, HHV8, HIV1, HIV2, HSV 1, HSV 2, HTLV 1, HTLV2, LCMV, Mycoplasma sp., Seoul, Sin Nombre, VZV were all negative.



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References:

1. J. L. Harenza, M. A. Diamond, R. N. Adams, M. M. Song, H. L. Davidson, L. S. Hart, M. H. Dent, P. Fortina, C. P. Reynolds, J. M. Maris, Transcriptomic profiling of 39 commonly-used neuroblastoma cell lines. *Sci Data*. 2017;4:170033. PMID: 28350380
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5369315/>



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H&E slides