

PDX Data Sheet for COG-N-561x

Disease: Neuroblastoma
Phase of Therapy: Post-Chemotherapy (Progressive Disease), Post-mortem
Treatment: ANBL00B1 (Chemotherapy, Surgery)
Disease Stage: 4
Gender: Female
Age at diagnosis: 19.6 months
Race: NA
Age at sample collection: 33.3 months
Source of culture: Blood March 2015
Primary tumor site: C48.0 Retroperitoneum
Date Established: June 2015

MYCN Patient: NA
MYCN PDX: Relative copy number – 138 copies
TH mRNA: Expressed
p53 functionality: NA
Telomere Mechanism: TERT+, C-circle negative
ALK: F1245L

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: 12e6 cells minimum, ~2-3 months 1500mm³
 TV: 3e6 cells minimum, ~3 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 95% human cells (SQ tumors) and above 90% human cells (liver tumors from TV injection).

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-561. The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O₂ and 2% O₂ available from this same patient – COG-N-561h and COG-N-561h2.

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