

## PDX Data Sheet for COG-N-549x

**Disease:** Neuroblastoma  
**Phase of Therapy:** Post-Chemotherapy (Progressive Disease)  
**Treatment:** ANBL09P1 (surgery to remove tumor at 8 months)  
**Disease Stage:** 4  
**Gender:** Male  
**Age at diagnosis:** 14.7 months  
**Race:** NA  
**Age at sample collection:** 22.7 months  
**Source of culture:** Tumor surgery December 2014  
**Primary tumor site:** Abdomen, NOS Abdominal wall, NOS Intra-abdominal site  
**Date Established:** February 2015

**MYCN Patient:** Non-Amplified  
**MYCN PDX:** Relative copy number – 20 copies  
**TH mRNA:** Expressed  
**p53 functionality:** NA  
**Telomere Mechanism:** TERT+++ , C-circle negative  
**ALK:** F1174L

**PDX RNAseq:** Available upon request  
**PDX WES:** Available upon request  
**Strain of Mice:** NSG or Athymic NuNu (recommended)  
**Injection Type:** Subcutaneous  
**Growth Properties:** 20e6 cells minimum, mice can become obese, ~3-4 months to 1500mm<sup>3</sup>  
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 97% 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-549. The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O<sub>2</sub> and 2% O<sub>2</sub> available from this same patient – COG-N-549h and COG-N-549h2.

**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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**Cell Line Name:** COG-N-549x

**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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**PDX Name:** COG-N-549x

**H&E slides**