

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 1500mm³
 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% O₂ and 2% O₂ 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

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioResearch Case # 16311-2015

Received: 6/3/2015

Completed: 6/8/2015

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Specimen Description

Species: Human
Description: cells
Number of Specimens/Animals: 1

Purchase Order #: 060215-2

Client ID	Add ID	Investigator	Room #	Strain	Sex	Age	Date Placed		
COG-N-549x	840968	Dr. Reynolds	4C215	NSG	F	6-8 weeks	2/12/2015	2e6 dry pellet	p1m1

Services/Tests Performed: h-IMPACT Profile I

PCR evaluation for: EBV, HAdV, Hantaan, HCMV, Hepatitis A, Hepatitis B, Hepatitis C, HHV 6, HHV 8, HIV1, HIV2, HPV16, HPV18, HSV 1, HSV 2, HTLV 1, HTLV 2, LCMV, *Mycoplasma* sp., Seoul, Sin Nombre, VZV

Summary: All test results were negative.

PCR EVALUATION

cells	COG-N-549x
EBV	-
HAdV	-
HCMV	-
Hepatitis A	-
Hepatitis B	-
Hepatitis C	-
HHV 6	-
HHV 8	-
HIV1	-
HIV2	-
HPV16	-
HPV18	-
HSV 1	-
HSV 2	-
HTLV 1	-
HTLV 2	-
VZV	-
Hantaan	-
LCMV	-
<i>Mycoplasma</i> sp.	-
Seoul	-
Sin Nombre	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed wps = weak positive