

Table S1. Antibodies used for western blotting.

Antibody Specific for	Host Species	Cat#	Supplier	Dilution
poly(ADP-ribose)	mouse	N/A	produced in house (10H hybridoma)	1:500
NMNAT1	rabbit	sc-271557	Santacruz (Dallas, TX, USA)	1:1000
human actin	mouse	sc-47778	Santacruz (Dallas, TX, USA)	1:20000
BAX	rabbit	ab32503	Abcam (Cambridge, UK)	1:1000
NOXA	mouse	ab13654	Abcam (Cambridge, UK)	1:100
PUMA	rabbit	ab9643	Abcam (Cambridge, UK)	1:1000
p21	mouse	05-655	Sigma (St. Louis, MO, USA)	1:1000
anti-phospho histon H2AX	mouse	4418-APC- 100	Trevigen (Gaithersburg, MD, USA)	1:1000
Acetyl-p53 (Lys379)	mouse	2570S	Cell Signaling (Danvers, MA, USA)	1:1000
anti-mouse IgG (HRP)	horse	7076S	Cell Signaling (Danvers, MA, USA)	1:3000
anti rabbit IgG (HRP)	goat	7074S	Cell Signaling (Danvers, MA, USA)	1:1500

Table S2. Antibodies and dyes used for High Content Analysis.

Antibody Specific for	Host Species	Cat#	Supplier	Dilution/Concentration
CellEvent™ Caspase-3/7 Green Detection Reagent	-	C10423	Thermo Fischer (Waltham, MA USA)	7 μ M

Table S3. Sequences of primers, used in quantitative PCR experiments.

Primers	Fw	Rw
<i>hNMNAT1</i>	AAAGGCCTGGAAGGAAGAGG	CCCATAGTTGGCCACGATTT
<i>hNMNAT2</i>	CATATTTCTGGTGGCATCT	CTGGTCCTGCCTATGTGGTT
<i>hNMNAT3</i>	GCGCACATCCAGGAAATAGT	TGGCACTGATCTCATTCTGC
<i>hBAX</i>	CTGCAGAGGATGATTGCCG	TGCCACTCGGAAAAAGACCT

<i>hNOXA</i>	CTGGAAGTCGAGTGTGCTACTC	TGAAGGAGTCCCCTCATGCAAG
<i>h45S</i>	ACCCACCCTCGGTGSGA	CAAGGCACGCCTCTCAGAT
<i>h18S_45S</i>	CTCACCACGGGAAACCTCAC	CGCTCCACCAACTAAGAACG
<i>hTIGAR</i>	ATGAGGACAAAGCAGACCATGC	GCTTTGCCTTCTACAACCCC
<i>hPUMA</i>	GAGCAGGGCAGGAAGTAACAA	GGCAGACCCCATGCCAAAT
<i>hp21</i>	AGTCAGTTCCTTGTGGAGCC	CATTAGCGCATCACAGTCGC
<i>h36B4</i>	CCATTGAAATCCTGAGTGATGTG	GTCGAACACCTGCTGGATGAC
<i>hcyclophilin</i>	GTCTCCTTTGAGCTGTTTGCAGAC	CTTGCCACCAGTGCCATTATG

Table S4. Compounds which have been used for the treatments

Compound	Cat#	Supplier
Z-DEVD-fmk	S7312	Selleckchem (Houston, TX, USA)
Necrostatin 1	480065	Calbiochem (Billerica, MA, USA)
Actinomycin D	S8964	Selleckchem (Houston, TX, USA)
Daunorubicin	D8809	Sigma (St. Louis, MO, USA)
Bortezomib	HY-10227/CS-1039	MedChemExpress (New Jersey, NJ, USA)
Digoxin	D6003	Sigma (St. Louis, MO, USA)
Doxorubicin	OGYI-T-8808/04	Teva (Debrecen, Hungary)
Mitoxantron-+dihydrochlorid	M6545	Sigma (St. Louis, MO, USA)
Teniposide	1787	Selleckchem Houston, TX, USA)
Idarubicin	S1228	Selleckchem (Houston, TX, USA)
Epirubicin	S1223	Selleckchem (Houston, TX, USA)
RNAse	R4875	Sigma (St. Louis, MO, USA)
Propidium iodide	P4864	Sigma (St. Louis, MO, USA)