

Supplementary Table S1. List of primers used for quantitative real-time PCR.

Gene	Forward primer	Reverse primer	Species
<i>53BP1</i>	5'-TCACTGCCATGGAGGAGC-3'	5'-GGATGCCTGGTACTGTTTGG-3'	Mouse
<i>Bax</i>	5'-ATCCAGGATCGAGCAGGGCG-3'	5'-ACTCGCTCAGCTTCTTGGTG-3'	Mouse
<i>Cyclin D1</i>	5'-TCCGCAAGCATGCACAGA-3'	5'-AGGGTGGGTGGAATGAACT-3'	Mouse
<i>Gadph</i>	5'-CATGGCCTCCGTGTTCTTA-3'	5'-GCGGCACGTCAGATCCA-3'	Mouse

Supplementary Table S2. Densitometry of bands shown in Western blots in Figure 4E and Figure 5A.

	Cerebellum	Vehicle	DOX-free	DOX-TBSV-CooP
Bim	13	16432	24731	24628
Cyclin	9821	22140	22659	27553
Tubulin	27388	24394	24076	20956

	Cerebellum	MB1	MB2	MB3
H-FABP	2387	5487	5284	3284
Tubulin	18454	16976	16473	18764

Data have been obtained by iBright Analysis Software, Thermo Fisher Scientific, Waltham, MA, USA.

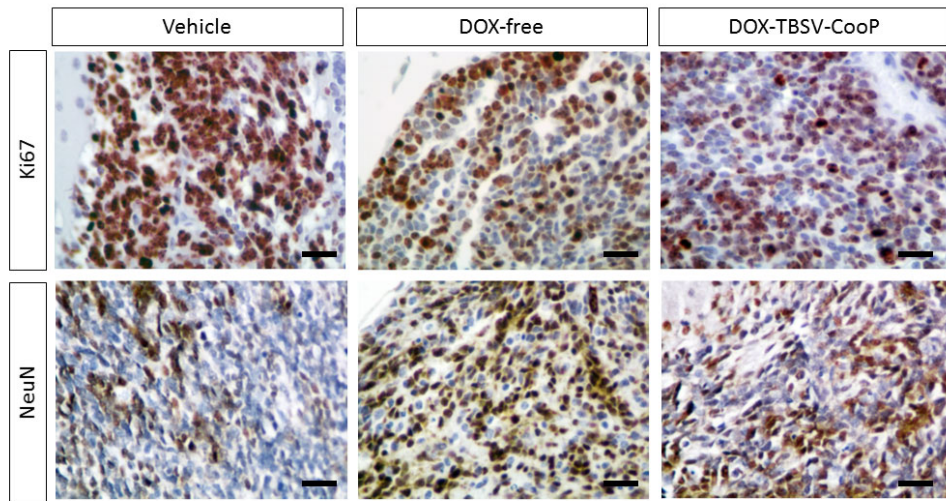


Figure S1. Immunostaining with Ki67 and NeuN antibodies. Representative histological images of MB PNLs from vehicle-, DOX-free and DOX-TBSV-CooP treated mice. Bars = 50 μ m

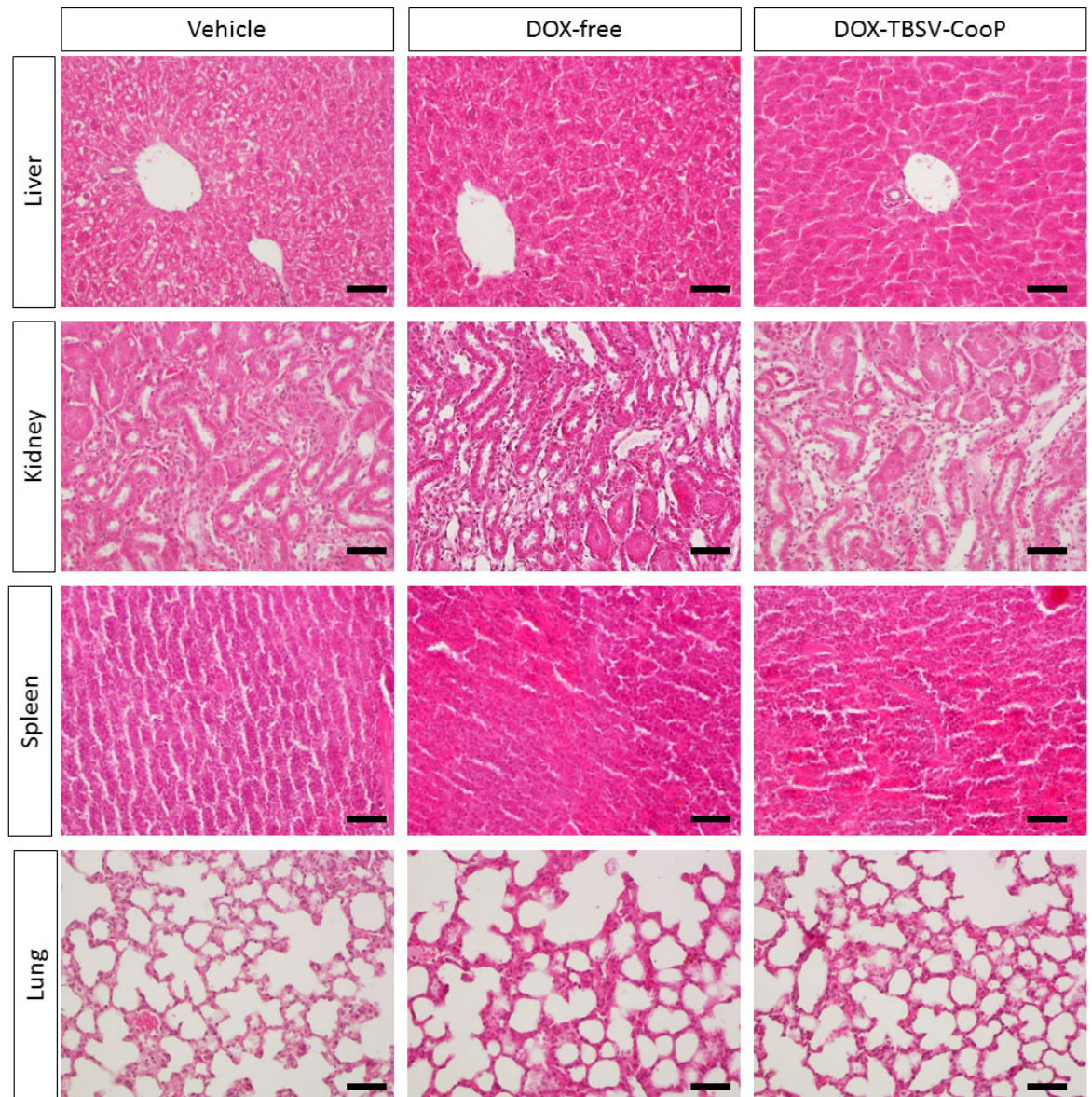


Figure S2. Microscopic examination of off-target organs. Representative histological images of organs collected from vehicle-, DOX-free and DOX-TBSV-CooP treated mice. Bars = 50 μ m