

**Table SI.** Antibodies used in this study.

Antibody	Dilution	Product Number
Anti-SCO2	1:500	a
Anti-Frataxin	1:200	sc-25820
Anti- $\alpha$ -Tubulin	1:200	sc-398103
Anti- $\beta$ -Actin	1:1,000	sc-47778
Anti-HO-1	1:100	sc-136960
Anti-LDHA	1:500	CSB-PA00045A0Rb
Anti-NFKB1	1:2,000	CSB-PA10354A0Rb
Anti-GAPDH	1:4,000	CSB-PA00025A0Rb
Anti-PKM2	1:1,000	sc-365684
Anti-SCF	1:4,000	ab52603
Anti-p53	1:500	sc-6243
Anti-HIF-1a	1:1,000	b

<sup>a</sup>The polyclonal anti-SCO2 antibody was generated by Professors Lefkothea Papadopoulou and Ioannis Pappas (Hqnr qwrw'RH\" cej ctkf ku'I C.'Rqrsqw'CU. Vukhuqi mw'CU'cpf 'Rcr cf qr qwrw'NE<J wo cp'tgeqo dlpcpv'o wcvgf 'hqtu u'qh'vj g o kqej qpf tkcn'EQZ "cuugo dn' "Ueq4'r tqvlp'f hgt'htqo "y kf/v{r g'lp'r j { uken'uevg cpf "eqr r gt'dlpf lpi "ecr cek{00 qnI gpgv'O gvd": 3<447/458."4226). <sup>b</sup>The polyclonal anti-HIF-1 $\alpha$  antibody was generated by Professors Ilias Mylonis and Ioannis Pappas.

**Table SII.** IC<sub>50</sub> values of IM and DCA for the K-562 and HCT-116 sibling cell lines after incubation for 72 h.

<b>Cell line</b>	<b>IC<sub>50</sub> of IM (72 h)</b>	<b>IC<sub>50</sub> of DCA (72 h)</b>
K-562	0.3 μM	4 mM
K-562R	6 μM	4 mM
HCT-116 (+/+ p53)	30 μM	8 mM
HCT-116 (-/- p53)	2.7 μM	7 mM
<b>Cell line</b>	<b>IC<sub>50</sub> of IM (Timecourse)</b>	<b>IC<sub>50</sub> of DCA (Timecourse)</b>
K-562	24 h 16 μM	24 h 7 mM
	48 h 0.5 μM	48 h 5 mM
	72 h 0.3 μM	72 h 4 mM
K-562R	24 h -	24 h 14 mM
	48 h -	48 h 5 mM
	72 h 6 μM	72 h 4 mM
HCT-116 (+/+ p53)	24 h 50 μM	24 h 1.4 mM
	48 h 35 μM	48 h 6.3 mM
	72 h 30 μM	72 h 8 mM
HCT-116 (-/- p53)	24 h 3.32 μM	24 h 14.73 mM
	48 h 3.37 μM	48 h 12.93 mM
	72 h 2.69 μM	72 h 6.95 mM

IM, imatinib; DCA, dichloroacetate.