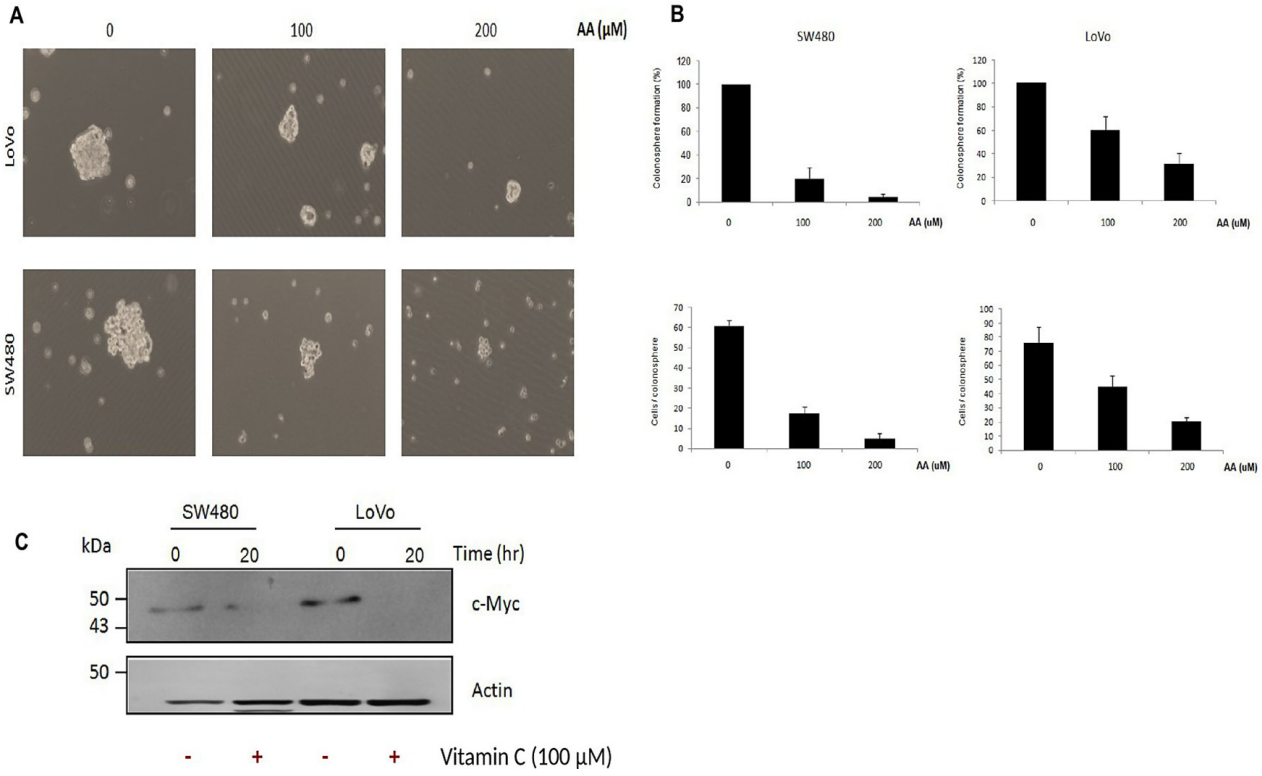
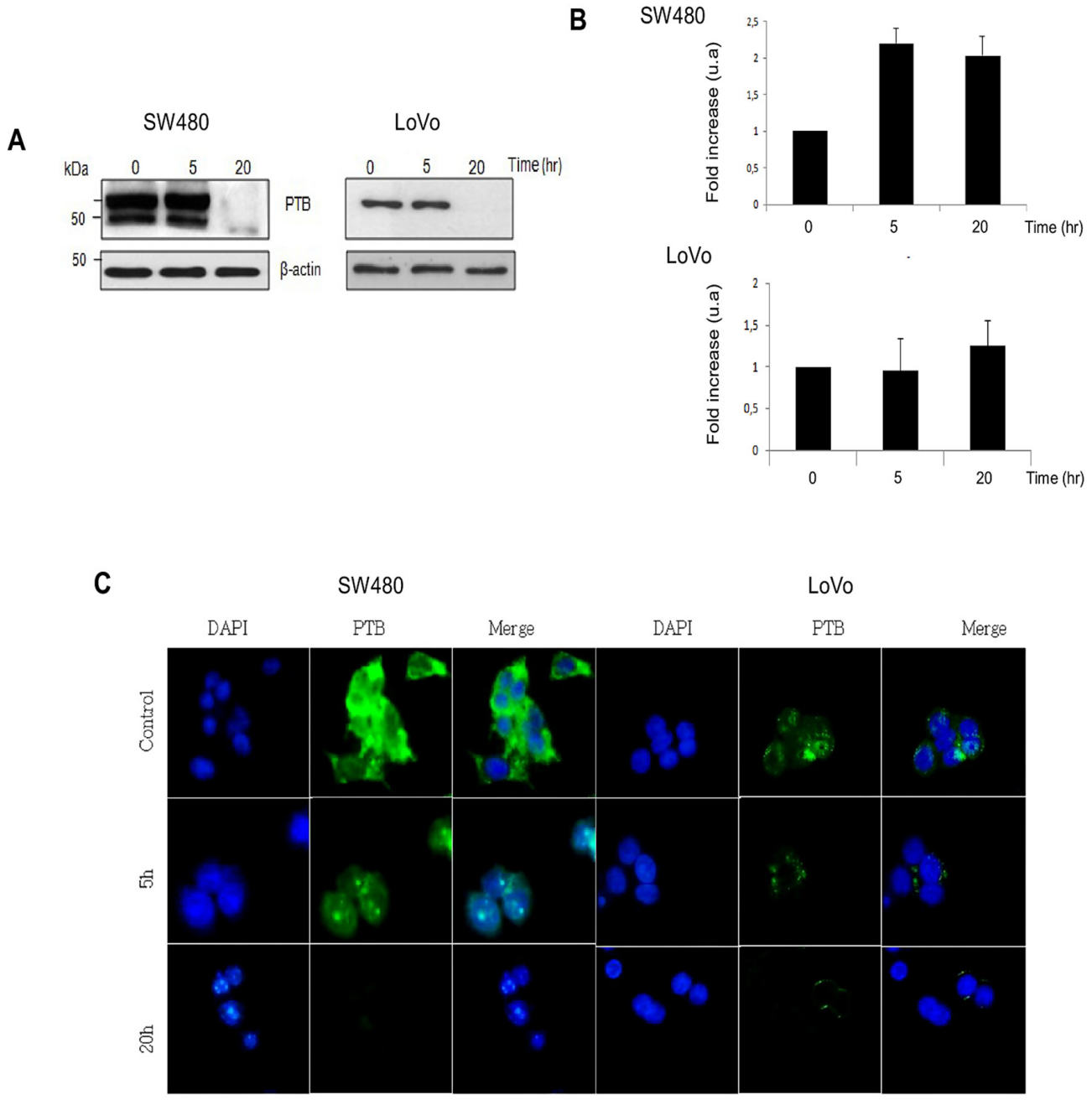
Vitamin C uncouples the Warburg metabolic switch in KRAS mutant colon cancer

SUPPLEMENTARY FIGURES



Supplementary Figure S1: Physiological concentration of vitamin C is able to inhibit the formation of colonospheres derived from *KRAS* mutant CRC lines through downregulation of c-Myc. A. representative picture depicting inhibition of colonosphere formation in SW480 and LoVo cells treated with physiological concentrations of vitamin C (100-200 μM) for 7 days. **B.** quantification of the effect of physiological vitamin C (100 μM) on SW480 and LoVo colonospheres formation and number of cells per sphere after 7 days of treatment. One-way ANOVA followed by Dunnett's post-test for multiple comparisons. *$p < 0.05$, **$p < 0.001$, $n = 3$. **C.** western blot analysis shows inhibition of c-Myc expression in colonospheres treated with vitamin C (100 μM) for 7 days.



Supplementary Figure S2: Vitamin C downregulates Polypyrimidine tract 1 binding protein (PTB1). A. western-Blot of PTB1 in SW480 and LoVo cells after vitamin C treatment for 20 hr. **B.** real Time Quantitative PCR analysis expression shows no decreaseof PTBP1 mRNA in SW480 and LoVo cells after vitamin C treatment for 20 hr. **C.** immunofluorescence analysis of PTB1 expression in SW480 and LoVo cells after vitamin C treatment (8 mM) for 20 hr.