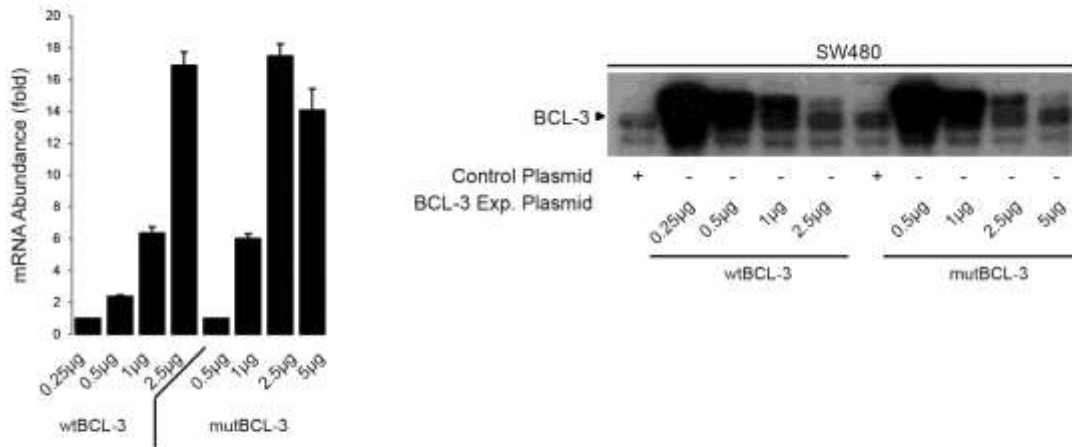
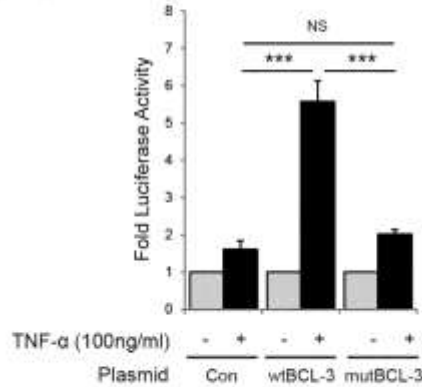


Supplementary Figure 1

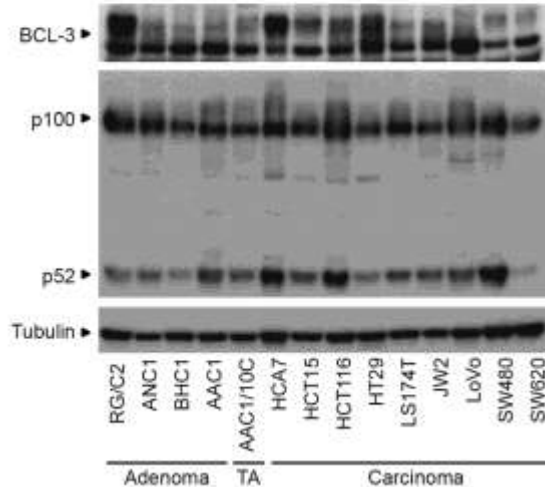
**A** SW480



**B** SW480



**C**

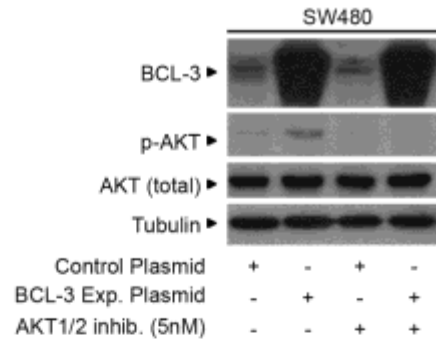
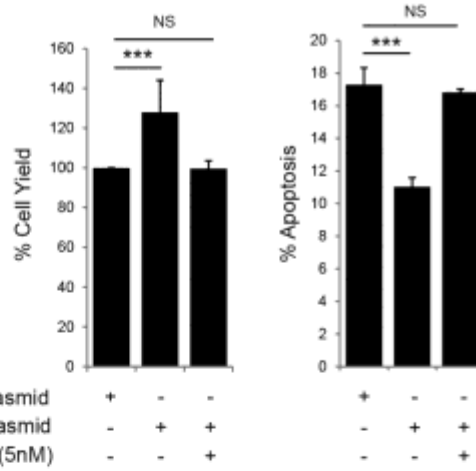


**Supplementary Figure 1 | Comparable levels of wtBCL-3 and mutBCL-3 mRNA and protein are expressed in SW480 cells, and TNF-α induced NF-κB transcriptional activity is dependent on BCL-3:NF-κB binding.**

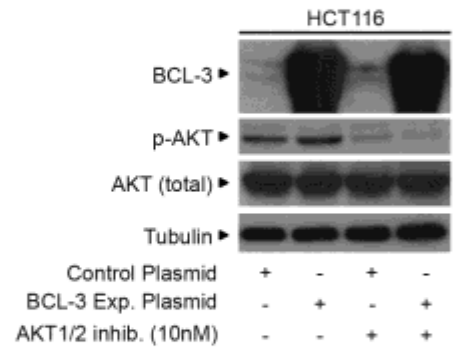
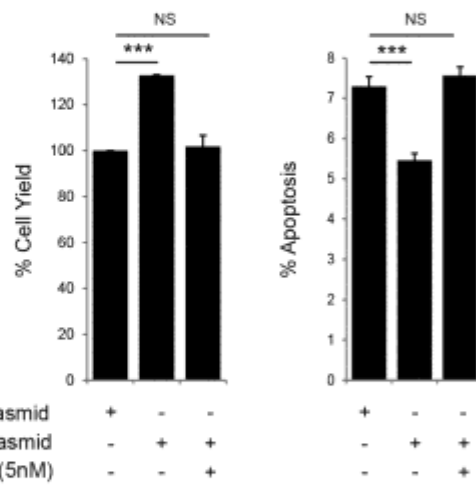
(A) SW480 cells were transfected with different concentrations of wtBCL-3 and mutBCL-3 expression plasmid. Q-RT-PCR showed comparable levels of mRNA were present in SW480 cells transfected with 0.5-2.5µg wtBCL-3 or mutBCL-3 expression plasmid at 72h post transfection. Q-RT-PCR results were normalized to the lowest concentration examined. Equal levels of both wtBCL-3 and mutBCL-3 protein were expressed at 24h post transfection for 0.5 and 1µg plasmid. (B) Using an NF-κB reporter assay, overexpression of wtBCL-3 was shown to increase TNF-α-induced NF-κB transcriptional activity. In contrast, no increase in cytokine induced NF-κB transcriptional activity could be observed in cells expressing the mutBCL-3 protein compared to controls. Results are mean values from three independent experiments performed in triplicate normalized to controls, \*\*\* P<0.001, NS = non-significant. (C) Western analysis to determine BCL-3, and NF-κB2 protein expression in a panel of colorectal adenoma- and carcinoma-derived cell lines. TA refers to transformed adenoma.

Supplementary Figure 2

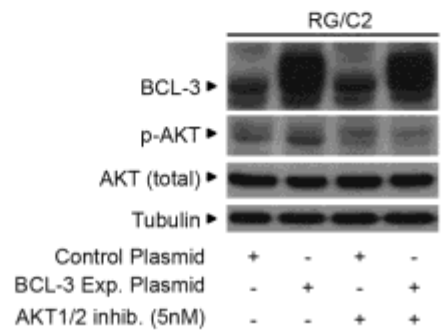
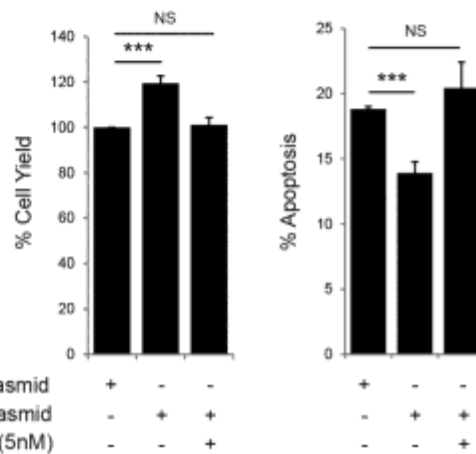
**A** SW480



**B** HCT116



**C** RG/C2



**Supplementary Figure 2 | Pro-survival effect of increased BCL-3 expression is blocked by inhibition of AKT signalling.**

(A)SW480, (B) HCT116 and (C) RG/C2 cells were seeded for 48h and transfected with BCL-3 expression or control plasmids (1 $\mu$ g). Cells were treated with 5nM AKT1/2 inhibitor for 96h post transfection before data was assessed. BCL-3 overexpression increased cell yield and decreased apoptosis in untreated cells. This survival advantage was completely lost in cells treated with the AKT1/2 inhibitor, with BCL-3 transfected cells showing the same percentage of apoptosis as treated controls. Results are mean values from three independent experiments performed in triplicate normalized to controls with standard deviations (\*\* $P < 0.001$ , NS = non significant). Western analysis shows that BCL-3 is overexpressed in both untreated cells and cells treated with the AKT1/2 inhibitor. AKT phosphorylation is increased in untreated cells overexpressing BCL-3, but completely lost in cells treated with the AKT1/2 inhibitor confirming successful inhibition of AKT activation. Equal loading was confirmed by  $\alpha$ -tubulin.