Colorectal cancer: Aspirin found to activate protective genes

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Salicylate suppresses viability and proliferation of CRC cells independent of p53. A Cell viability of HCT116 cells was determined by MTT assay after treatment with indicated concentrations of salicylate for 48 h. IC\textsubscript{50} was determined using GraphPad Prism based on changes in viability. B Cell viability of non-transformed CCD-18-Co and HCEC-1CT cells was determined by MTT assay after treatment with 5 mM salicylate for 48 h. C Impedance of HCT116 cells treated with salicylate. D Determination of cell numbers at the final time point of the experiment indicated in C. E Cell cycle analysis using propidium
iodide (PI) staining. F Analysis of apoptosis in salicylate-treated HCT116 cells by Annexin V FITC and propidium iodide staining. G Levels of cleaved PARP and PARP were determined by Western blot analysis in HCT116 cells after treatment with 5 mM salicylate for the indicated times. α-Tubulin served as a loading control. In panels A, B, and F (n = 3), and D (n = 4) mean values ± SD are shown. *p

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