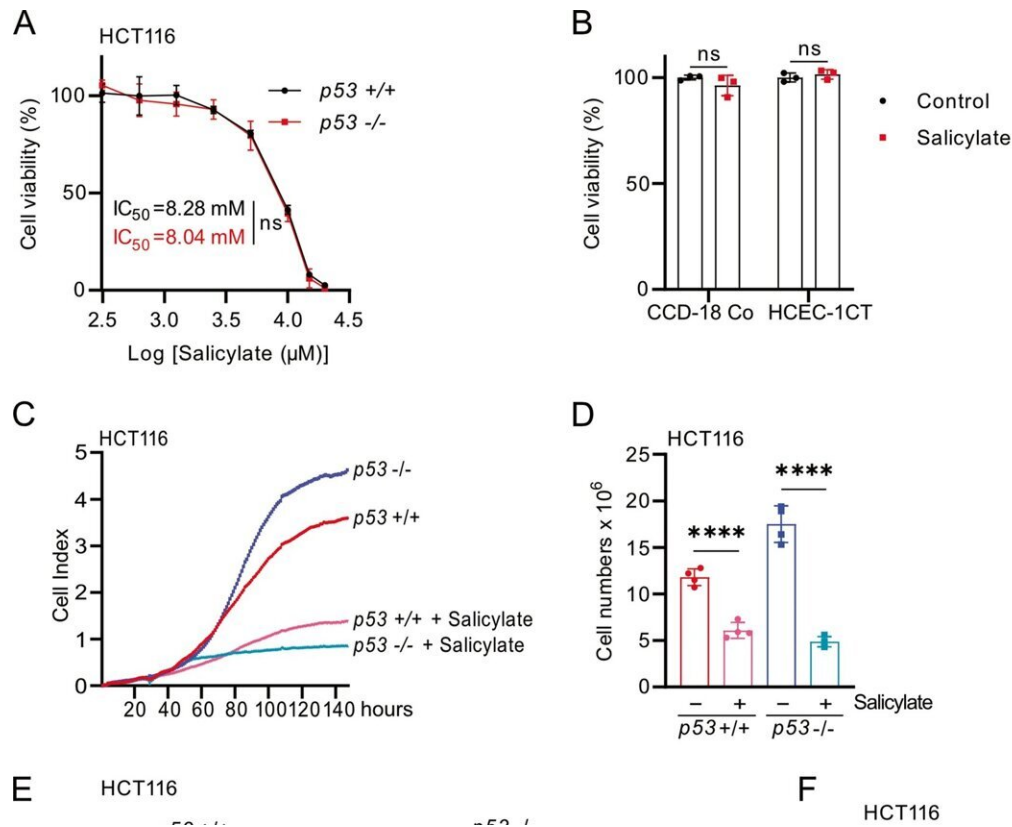


Colorectal cancer: Aspirin found to activate protective genes

November 2 2023



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_{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 \pm SD are shown. * p

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