Supplementary Materials

The Anti-Cancer Effect of *Mangifera indica* L. Peel Extract is Associated to γH2AX-mediated Apoptosis in Colon Cancer Cells.

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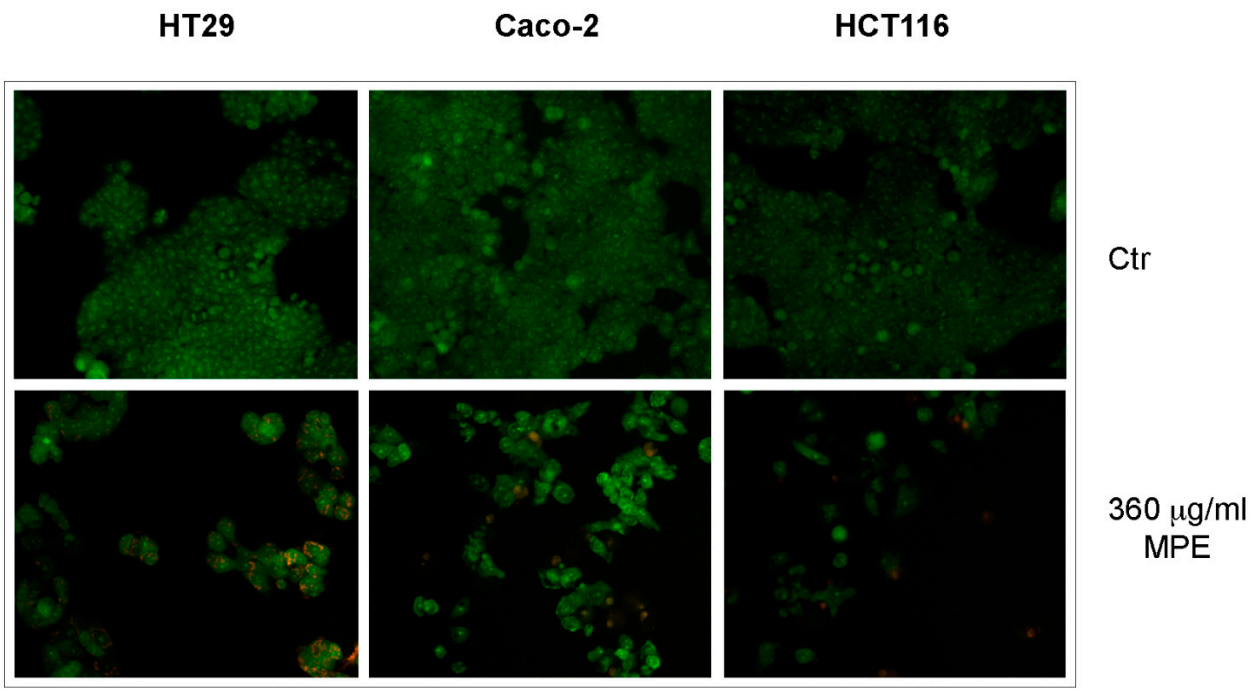

Figure S1. MPE treatment induces apoptotic cell death in colon cancer cells. Colon cancer cells were treated with MPE for 48 h, then cells were exposed to acridine orange/ethidium bromide dual staining as reported in Materials and Methods. Apoptotic cells were characterized by a granular yellow-green nuclear staining (early apoptotic cells) or condensed orange nuclear staining (late-apoptotic cells) compared to live cells (green fluorescent cells). Images were acquired using a Leica fluorescent microscope (original magnification 200X) and processed using Leica Q Fluoro software.

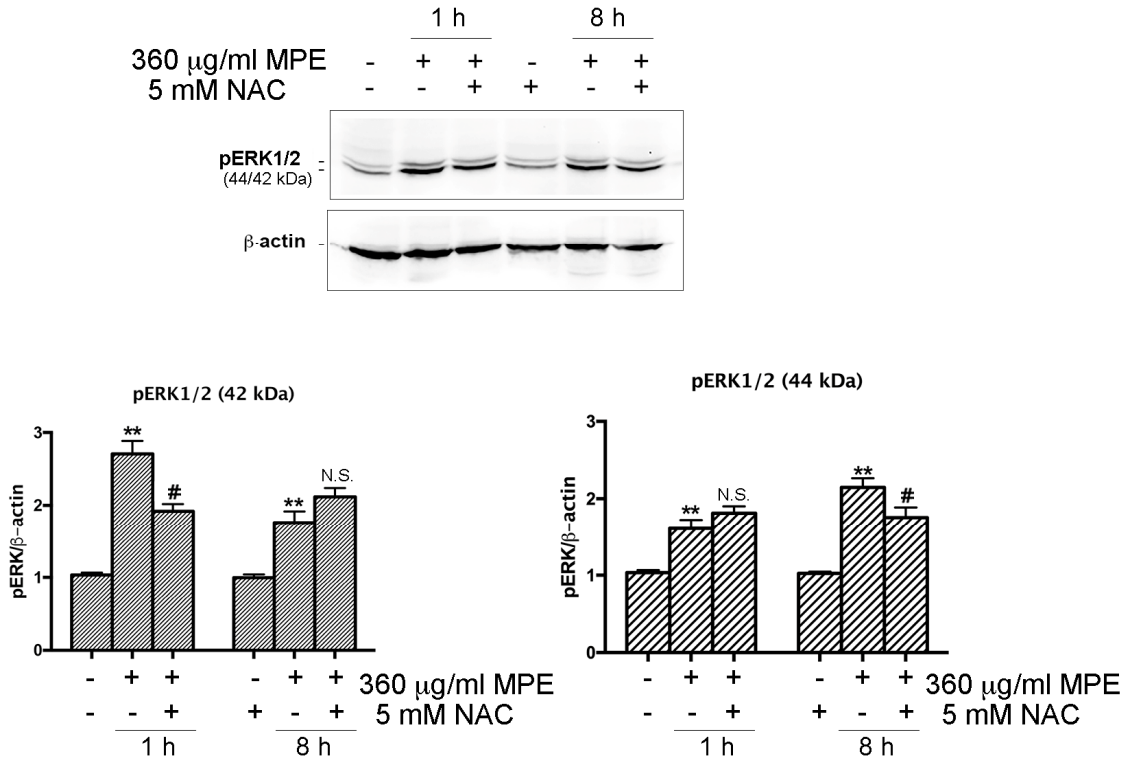

Figure S2. MPE treatment upregulates the main stress protein player pERK1/2. HT29 cells were treated with MPE for the indicated times in the presence or absence of 5 mM NAC. Lastly, western blotting analyses were performed in order to study MPE effects on the total level of pERK1/2 in the first phase of treatment (1-8 h). The correct protein loading was ascertained by immunoblotting for β-actin. The results are representative of three independent experiments and densitometry analysis histograms are reported normalized to β-actin. (**) $p < 0.01$ compared to the untreated sample. (#) $p < 0.05$ compared to MPE-treated sample. N.S., not significant in respect to MPE-treated cells.