

Legends to Supplemental Figures

Supp. Fig 1. c-Src / STAT3 crosstalk of Met-1 cells

A. Met-1 cells were cultured for 48h with increasing concentrations of dasatinib as indicated. Cell growth relative to control was measured by the methylene blue method. *Inset:* Western blot analysis of phospho-c-Src of met-1 cells treated for 2h with the indicated concentration of dasatinib. **B.** Met-1 cells were treated for 72h with increasing concentration of P6 as indicated. Cell growth relative to control was measured by the methylene blue method. *Inset:* Western blot analysis of phospho-STAT3 of met-1 cells treated for 24h with 0.5 μM P6. **C.** Met-1 cells were treated for 48h with increasing concentration of dasatinib in the presence or absence of 0.5 μM P6 added 1h before dasatinib. Cell growth relative to control was measured by the methylene blue method.

Supp. Fig 2. c-Src / STAT3 crosstalk of HCC1954 cells

A-C. HCC1954 cells were cultured with dasatinib or saracatinib as indicated (**A**), or with 1.0 μM P6 (**B**). HCC1954 cells were infected with shc-Src or shSTAT3 as indicated (**C**). Cell growth was measured by the methylene blue method. Cell density without addition is defined as 1.0. Representative experiment. **D.** HCC1954 cells were cultured for 10 days on 60mm plate (5000 cells / plate). Cells were treated with 1.0 μM P6 or 0.2 μM dasatinib as indicated. Medium was changed every 3 days. Cells were fixated and stained with methylene blue. Colonies exceeding 500 microns in size were counted. Representative images.

Supp. Fig 3. MEDICA amplifies radiation-suppressed clonogenicity of HCC1954 cells

HCC1954 cells were pre-treated for 24h with 150 μM MEDICA, followed by their radiation as indicated. Irradiated cells were trypsinized and subjected to clonogenic assay as described in Methods. Colonies exceeding 400 microns in size were counted. Non-irradiated control is defined as 1.0. Mean \pm SE of 3 independent experiments. * - Significant as compared to control ($p < 0.05$). # - Significant as compared to respective irradiated cells ($p < 0.05$).