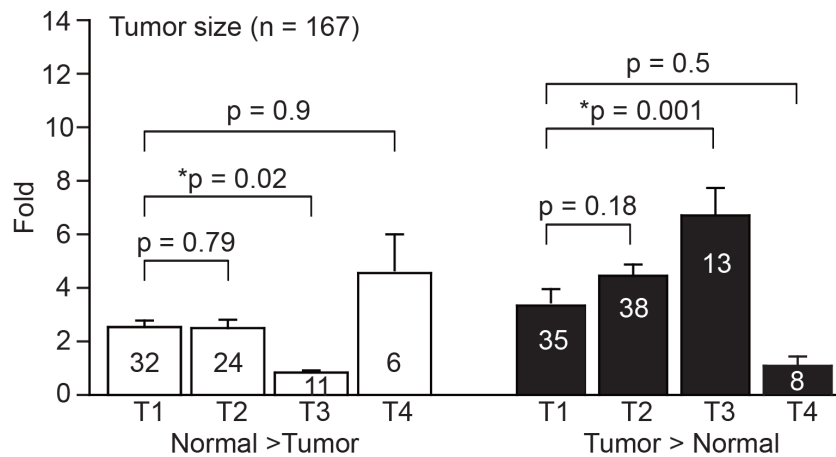


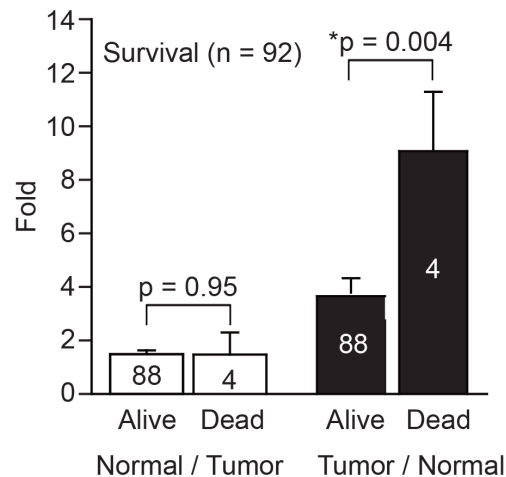
Protein phosphatase Mg²⁺/Mn²⁺ dependent 1F promotes smoking-induced breast cancer by inactivating phosphorylated-p53-induced signals

SUPPLEMENTARY FIGURES

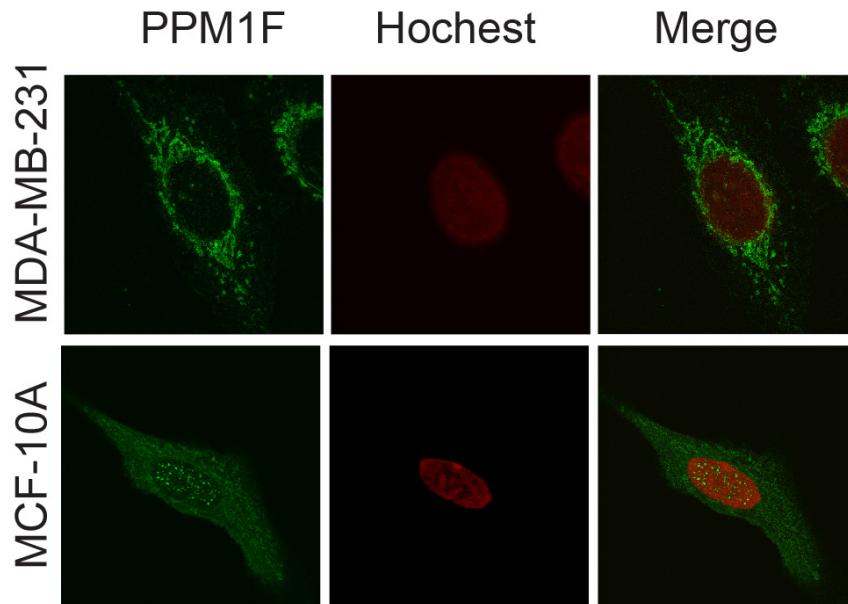
A.



B.



Supplementary Figure S1: *PPM1F* mRNA levels in human breast tumor tissues. *PPM1F* mRNA expression profiles in paired human breast tumor (red lines) and normal (green lines) tissues (n = 167) were evaluated by real-time PCR and calculated according to clinico-pathological factors. **A.** *PPM1F* mRNA levels were associated with tumor size (T1 to T4). The data were analyzed with an overall nonparametric test (Kruskal-Wallis test), and multiple comparisons were performed with the Mann-Whitney test. All the p-values are two-sided. **B.** *PPM1F* mRNA levels were calculated and associated with survival. *PPM1F* mRNA levels were higher in samples from four patients who died than in those from 88 patients who survived. (* p=0.004)



Supplementary Figure S2: PPM1F protein expression in human breast cancer and normal cells. MDA-MB-231 and MCF-10A cells were stained for PPM1F (FITC-labeled), and Hoechst dye was used to determine nuclear localization. The intracellular localization of PPM1F was determined by confocal microscopy, as described in the Materials and Methods.