

Secreted HSP90 α -LRP1 signaling promote tumor metastasis and chemoresistance in pancreatic cancer

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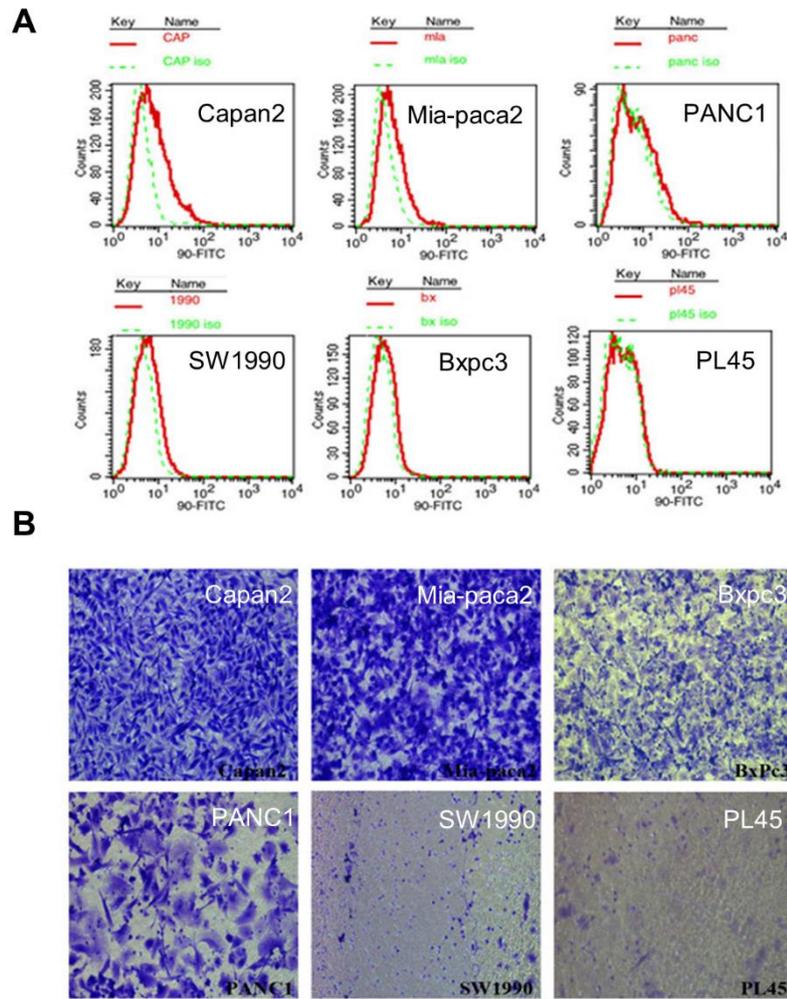


Figure S1. Membrane HSP90 α expression and invasive ability of PC cells. **(A)** The cell surface HSP90 α levels of Capan2, Mia-paca2, PANC1, SW1990, Bxpc3 and PL45 cells after serum starvation were detected using flow cytometry analysis. **(B)** The invasive abilities of above-mentioned PC cells were detected by transwell assay.

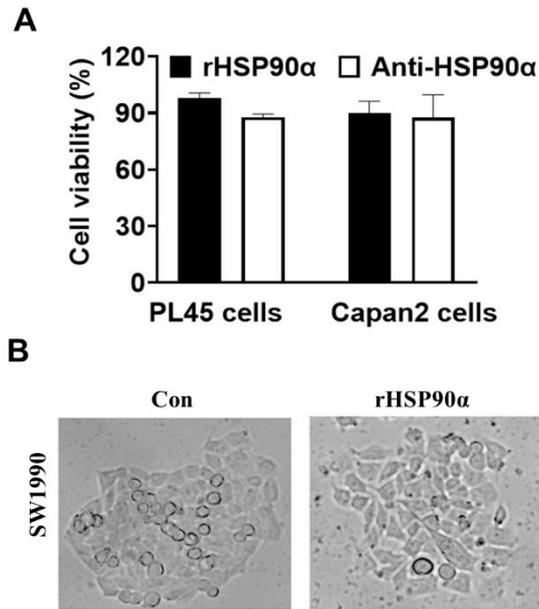


Figure S2. Cell viability and cellular morphology of PC cells. **(A)** The cell viability of PL45 and Capan2 was determined by MTT assay after exposure of (10 $\mu\text{g}/\text{mL}$) rHSP90 α or (5 $\mu\text{g}/\text{mL}$) anti-HSP90 α antibody for 72 h. **(B)** Images of SW1990 cells morphology were measured under a microscope after stimulated by (10 $\mu\text{g}/\text{mL}$) rHSP90 α for 72 h.

methods

Flow cytometry assay

The human PC cell lines including Capan2, Mia-paca2, SW1990, Bxpc3, PANC1 and PL45 were harvested and resuspend at a density of approximately 2×10^6 cells/ mL in ice cold PBS. The cells were stained with 10 $\mu\text{g}/\text{mL}$ of Mouse monoclonal to HSP90 α antibody (ab79849) in 3% BSA/PBS and incubated for 1 h at 4 $^{\circ}\text{C}$. After washing for three times, the cells were incubated in the appropriate Alexa Fluor $^{\text{®}}$ 488 secondary antibody (1:500 dilution) for 30 minutes on ice in the dark. After washing, the membrane-bound HSP90 α expressions were measured by Beckman coulter flow cytometry. The samples stained with only fluorochrome-labeled secondary antibody were as negative control.