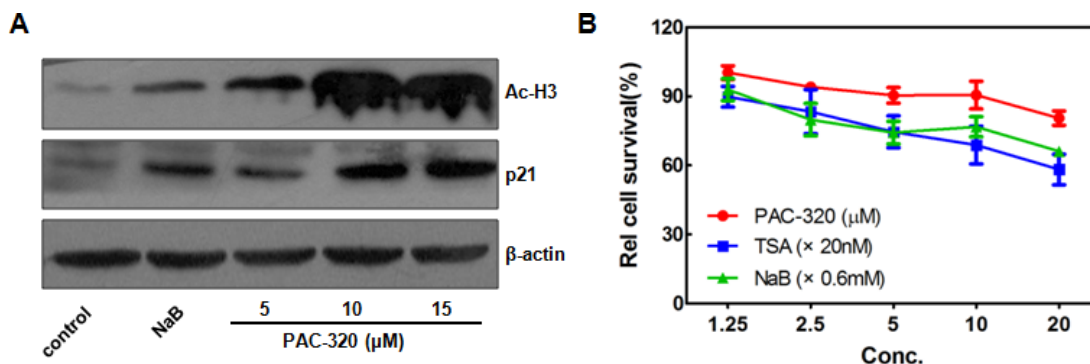
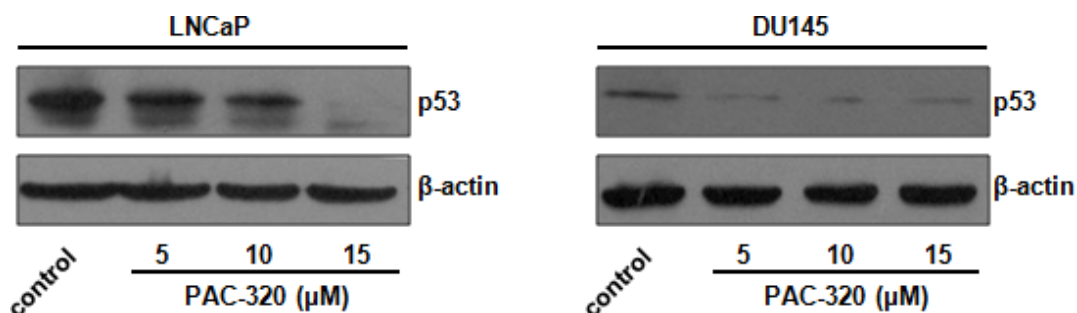


HDAC inhibitor PAC-320 induces G2/M cell cycle arrest and apoptosis in human prostate cancer

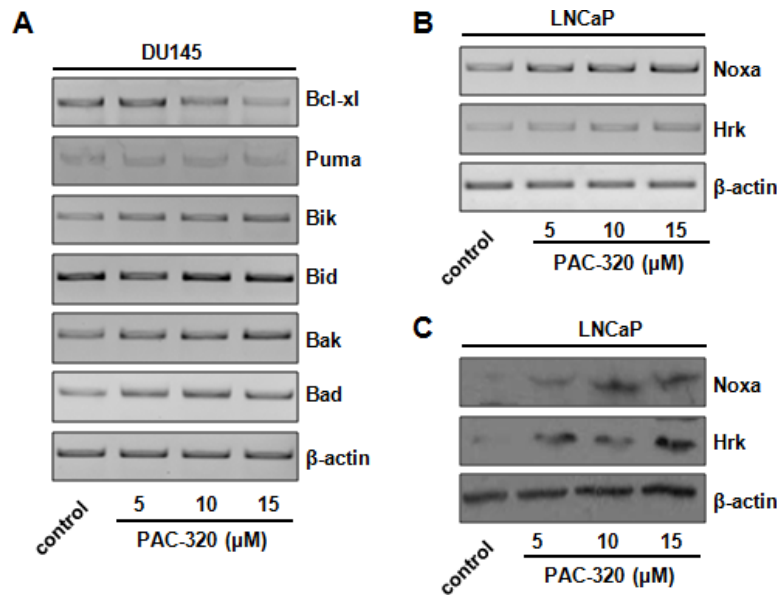
SUPPLEMENTARY MATERIALS



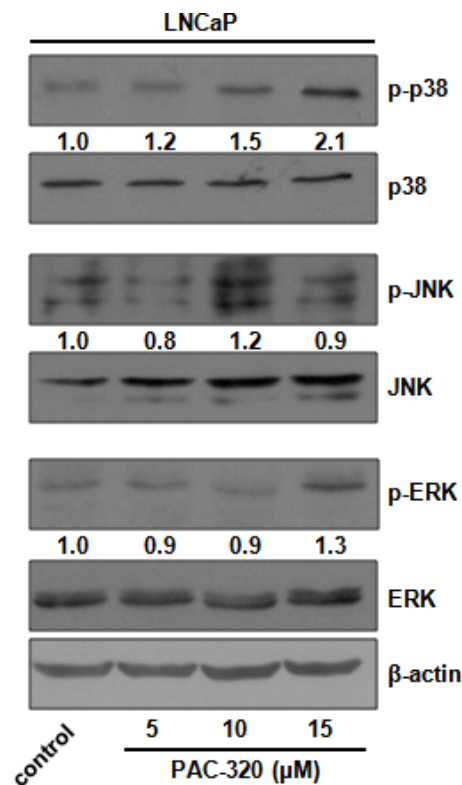
Supplementary Figure 1: The effects of PAC-320 on PC3 cells. (A) PAC-320 increases the level of acetylated H3 in PC3 cells. Immunoblotting analyze the effect of PAC-320 on acetylation of histone H3 in PC3 cells. NaB as a positive control. (B) Antiproliferative effect of PAC-320 on PC3 cells. PC3 cells were treated with indicated drugs for 72 h, and the effects of PAC-320 on the proliferation of PC3 cells were determined using the MTT assay. TSA and NaB were used as positive controls. Each value represents the mean of three experiments; bars, ± SD.



Supplementary Figure 2: PAC-320 decreases p53 expression in prostate cancer cells. LNCaP (A) or DU145 (B) cells were treated with indicated concentrations of PAC-320 for 48 h, and whole cell lysates were immunoblotted with indicated antibodies.



Supplementary Figure 3: The effects of PAC-320 on BH3-only proteins in prostate cancer cells. (A) The effects of PAC-320 on expression of BH3-only proteins in DU145 cells. DU145 cells were treated with indicated concentrations of PAC-320 for 48 h. The mRNA levels of BH3-only proteins were analyzed using RT-PCR. (B–C) The effects of PAC-320 on expression of Noxa and Hrk in LNCaP cells. LNCaP cells were treated with indicated concentrations of PAC-320 for 48 h. The expression of Noxa and Hrk were analyzed using RT-PCR (B) or Immunoblot (C).



Supplementary Figure 4: The effects of PAC-320 on MAPK activation in LNCaP cells. LNCaP cells were treated with indicated concentrations of PAC-320 for 48 h, and whole cell lysates were immunoblotted with indicated antibodies. Numbers below the panels of the immunoblot indicated the protein levels relative to β -actin.