

FIGURE S2

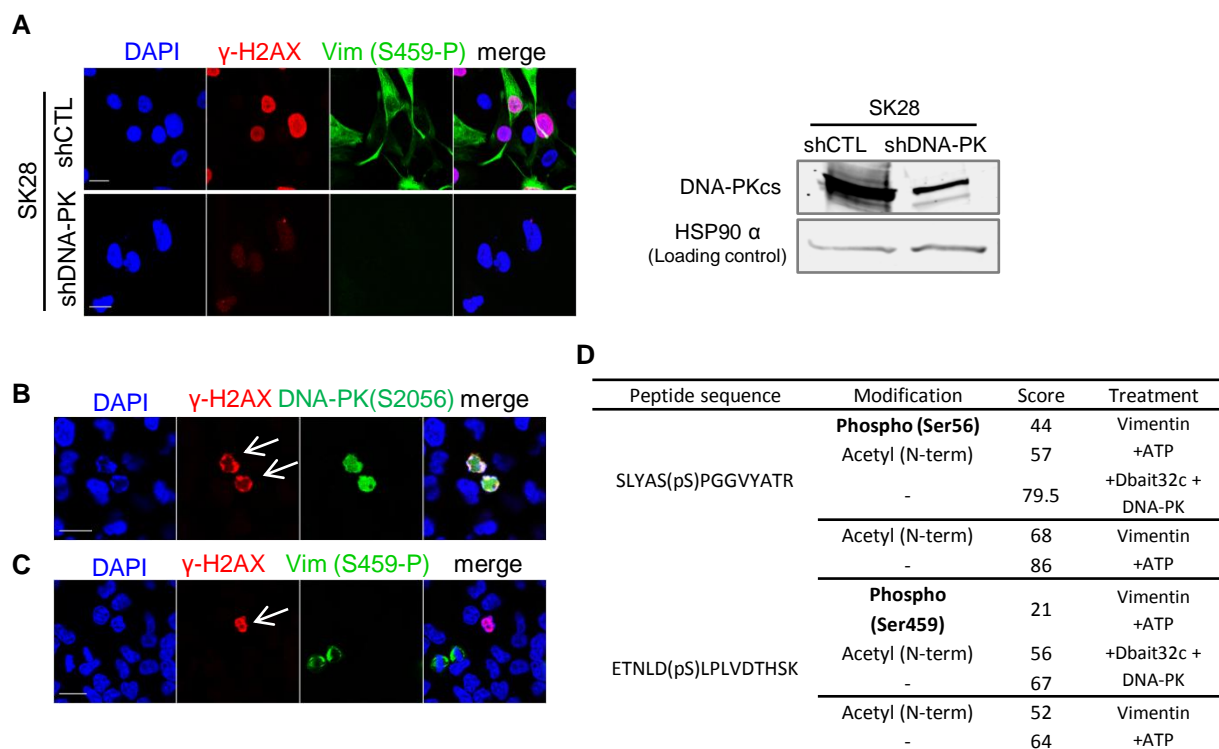


FIGURE S2. No vimentin phosphorylation on Ser459 in response to DNA-PK activation by Dbait32Hc molecule in SK28 cells transformed by shDNA-PK plasmid, no vimentin phosphorylation on Ser459 after DNA-PK activation in apoptotic cells and vimentin phosphorylation *in vitro* by DNA-PK. (A) Double immunostaining of anti- γ -H2AX (red) and anti-vimentin (S459-P) (green) in SK28 cells transformed by control (shCTL) or shDNA-PK plasmid. Proteins of SK28 cells stably transformed by control (shCTL) or shDNA-PK plasmid were extracted for western blot analysis and the lysates were probed for DNA-PK for silencing verification and HSP90 α as an loading control. (B, C) HeLa cells were treated with TRAIL Killer 100ng/ml during 8h to induce apoptosis, then double immunostaining was performed of (B) anti- γ -H2AX and anti-DNA-PK (S2056-P) (green) and (C) anti- γ -H2AX (red) and anti-vimentin (S459-P) (green). Staining of anti- γ -H2AX (red) was used as positive control for apoptotic rings detection (narrowes). DNA was stained with DAPI (blue). Scale bar: 20 μ m. (D) Peptides and phosphosites of *in vitro* DNA-PK-phosphorylated vimentin, as identified by LC-MS/MS with the LTQ-Orbitrap after trypsin digestion. (pS) correspond to phosphorylated serine.