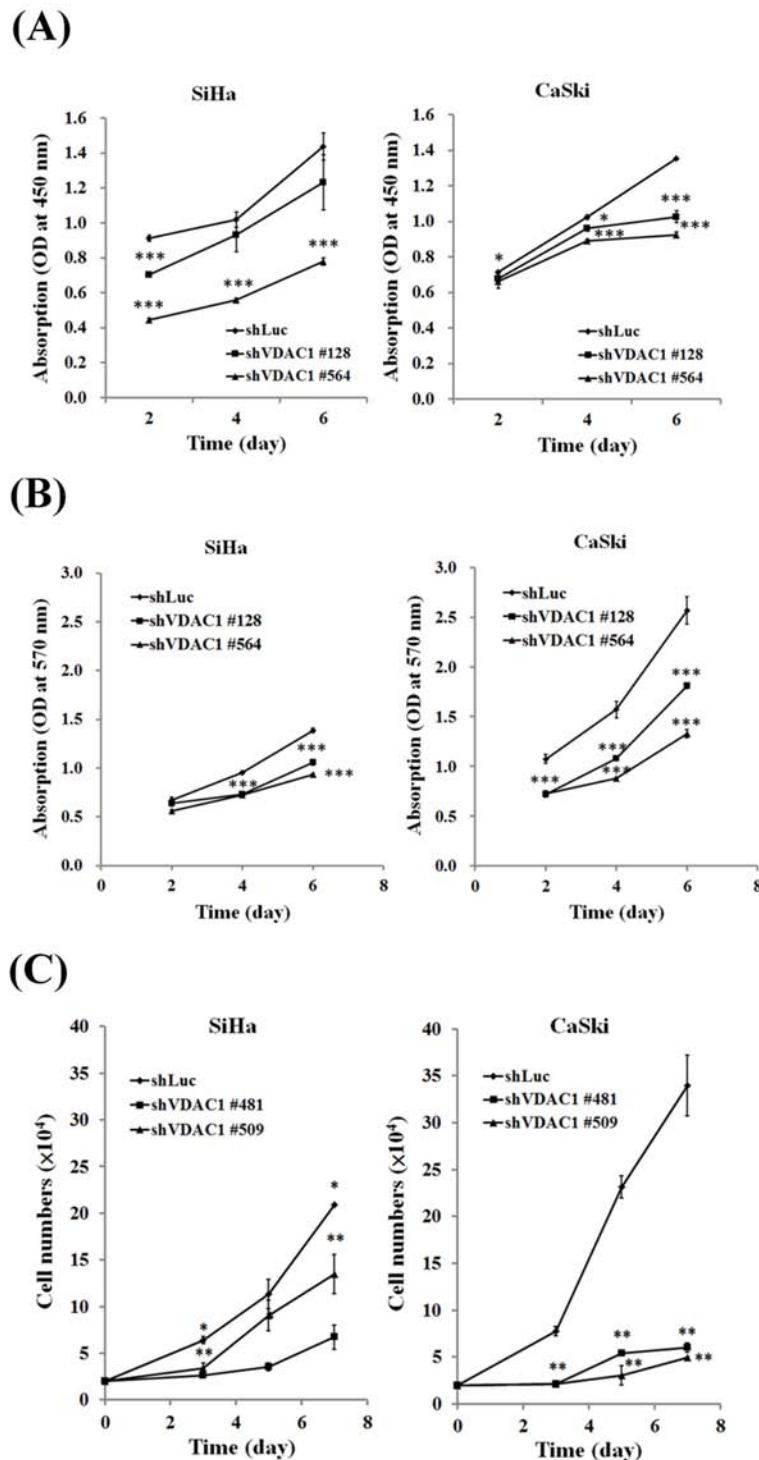
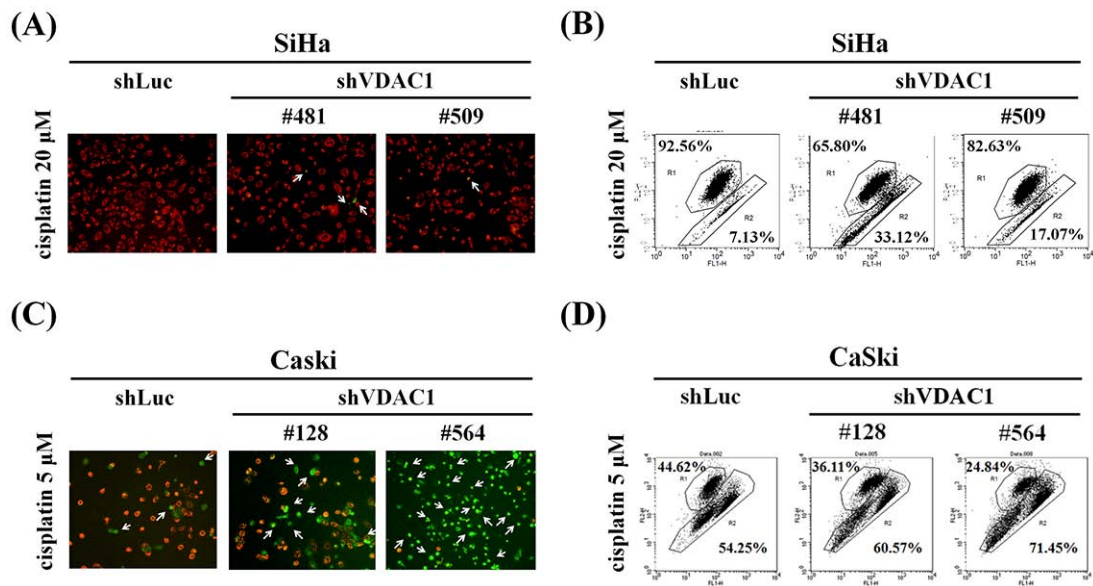


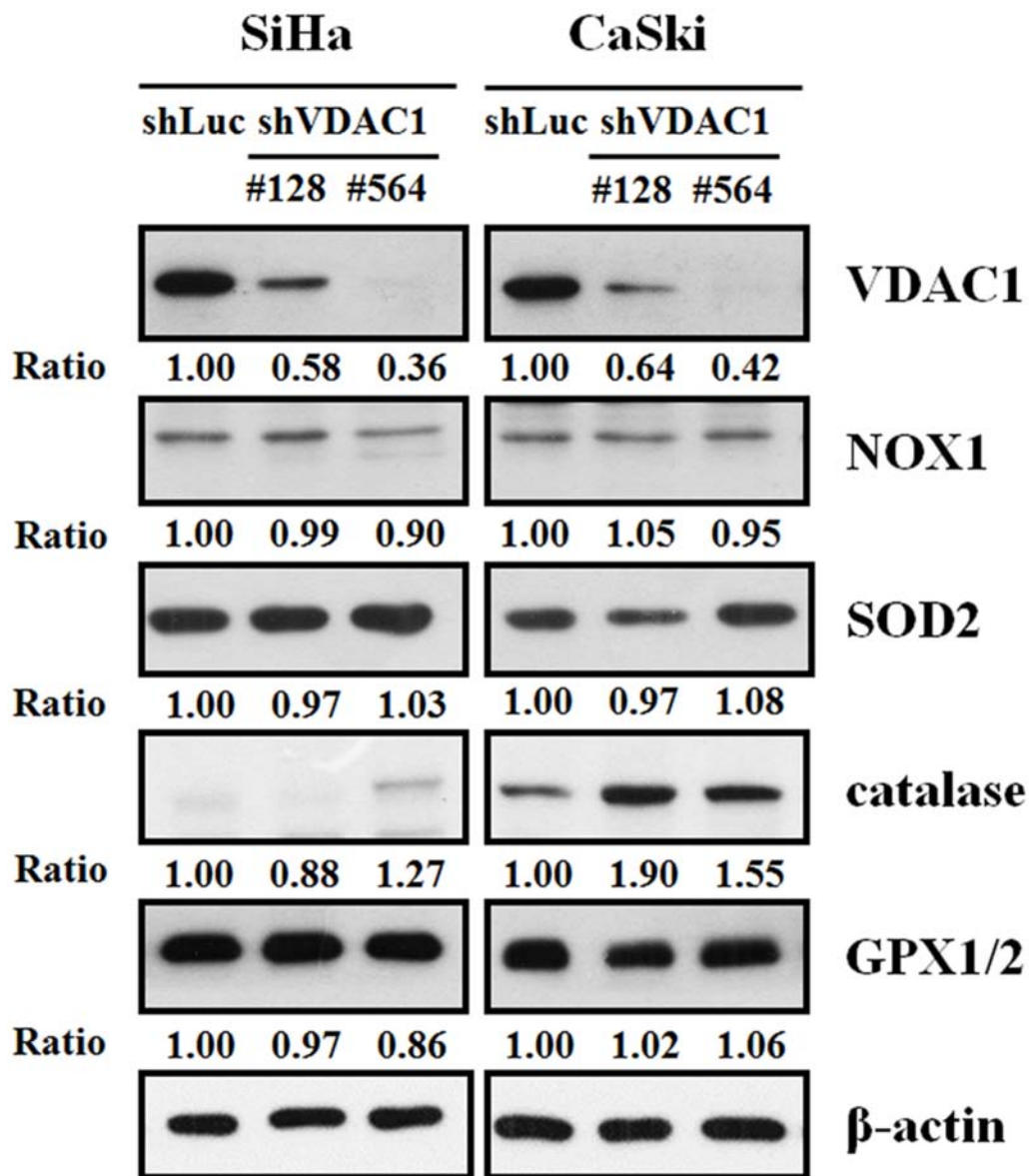
SUPPLEMENTARY FIGURES



Supplementary Figure S1: Effects of shVDAC1 on cell proliferation and viability in SiHa and CaSki cells. SiHa (left) and CaSki (right) shVDAC1 #128, #564 or shLuc cells (5×10^3 /well) were seeded in a 96 well plate and analyzed by **A.** Cell Counting Kit-8 (CCK-8) assay and **B.** MTT [3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide] assay every 48 h under monolayer culture conditions. Each growth curve represents the mean \pm SD of triplicate experiments. **C.** SiHa and CaSki shVDAC1 #481, #509 or shLuc cells (2×10^4 cells/6cm dish) were seeded and analyzed by counting cell numbers at 3, 5 and 7 days. All values are means \pm SD from at least three independent experiments. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.



Supplementary Figure S2: Effects of shVDAC1 on MMP in SiHa and CaSki cells. A. SiHa shVDAC1 #481 and #509 and C. CaSki shVDAC1 #128, #564 and shLuc cells were treated with cisplatin (5 or 20 μ M) for 48 hours. Representative images of SiHa shVDAC1 #481 and #509 and CaSki shVDAC1 #128, #564 and shLuc cells stained with JC-1 (magnification, $\times 100$). White arrows indicate green fluorescence (monomeric JC-1). B. SiHa shVDAC1 #481 and #509 and D. CaSki shVDAC1 #128, #564 and shLuc cells were treated with cisplatin (5 or 20 μ M) for 48 hours. Changes in MMP were assessed by the intensity of red fluorescence (R1) and green fluorescence (R2) of JC-1. VDAC1, voltage-dependent anion channel 1; MMP, mitochondrial membrane potential.



Supplementary Figure S3: Effects of shVDAC1 on the metabolizing enzymes of reactive oxygen species. VDAC1 (voltage-dependent anion channel 1), NOX1 (NADPH oxidase 1), SOD2 (superoxide dismutase 2), catalase and GPX1/2 (glutathione peroxidase 1/2) protein levels were determined on Western blot using protein lysates from parental and VDAC1-knocked down cervical cancer cells. β -actin was used as the internal control. The relative ratios of VDAC1/ β -actin, NOX1/ β -actin, SOD2/ β -actin, catalase/ β -actin and GPX1/2/ β -actin are shown.