

Figure S1. Western blot analysis of P-Akt and Akt expression between MCF-7-SIRT1 and MCF-7-Vector breast cancer cells (Data were presented as means \pm SEM. ** p <0.01. Student's t-test).

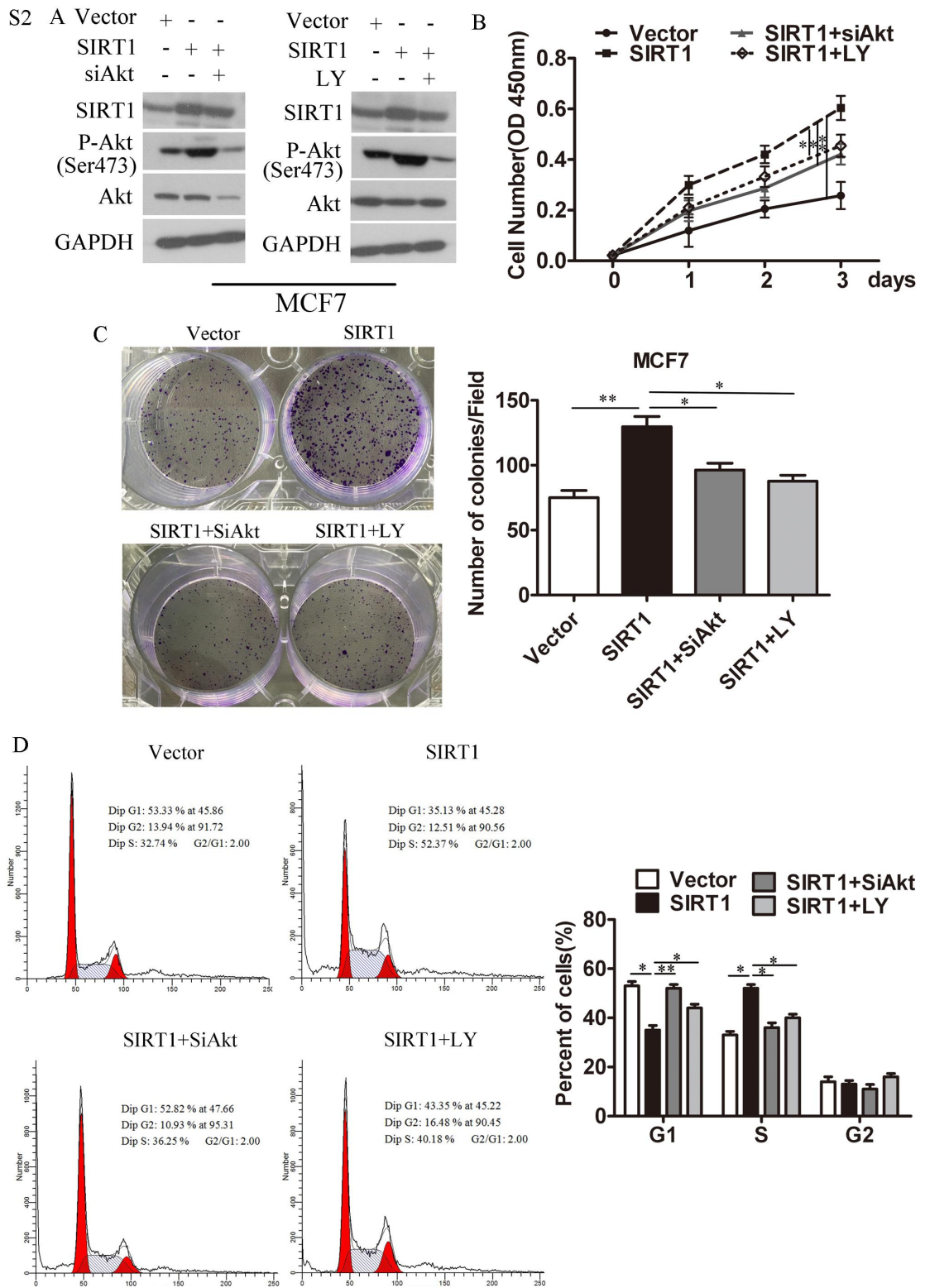


Figure S2. (A) Depletion of P-Akt and Akt in MCF-7-SIRT1 cells with siAkt and LY294002. Protein levels of SIRT1, P-Akt and Akt were detected by Western blot analysis. (B) Cell viability analysis (C) Colony

formation (D) Cell cycle distribution were evaluated (Data were presented as means±SEM. * $p < 0.05$, ** $p < 0.01$. Student's t-test. Cell viability analysis with $n=6$; the rest analyzed with $n=3$).

S3

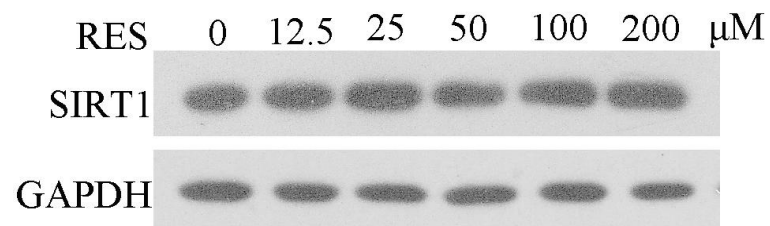


Figure S3. Protein level of SIRT1 was detected in RES-treated MDA-MB-231 cells.