Figure S1

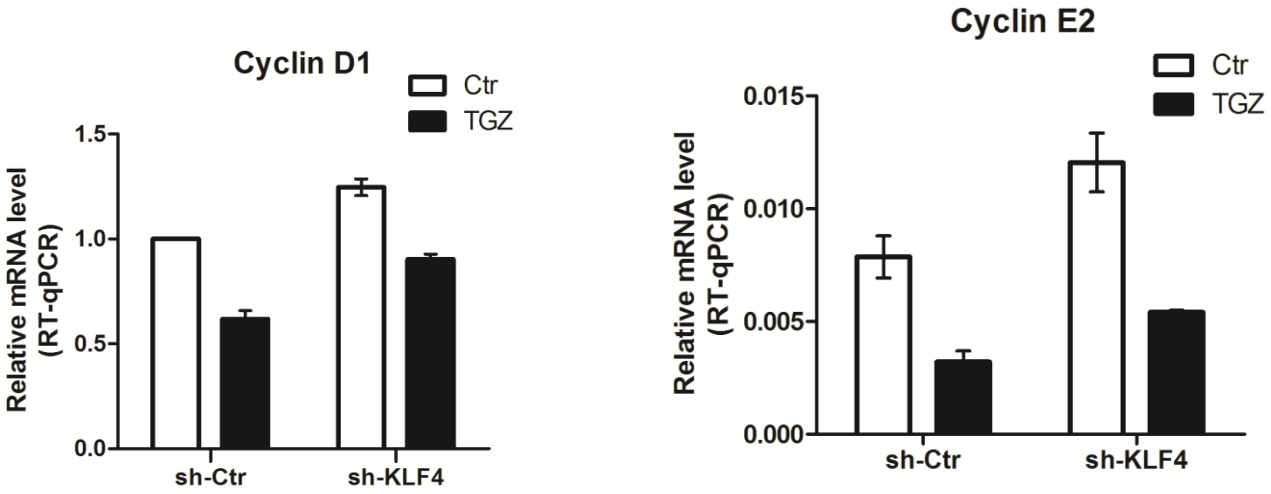

Figure S1. HCT116 sh-ctr and sh-KLF4 cells were grown in the absence of serum for 18 h and then incubated with DMSO (Ctr) or TGZ (10 μM) for 24 h, the expression of Cyclin D1 and Cyclin E2 was determined by RT-qPCR.

Figure S2

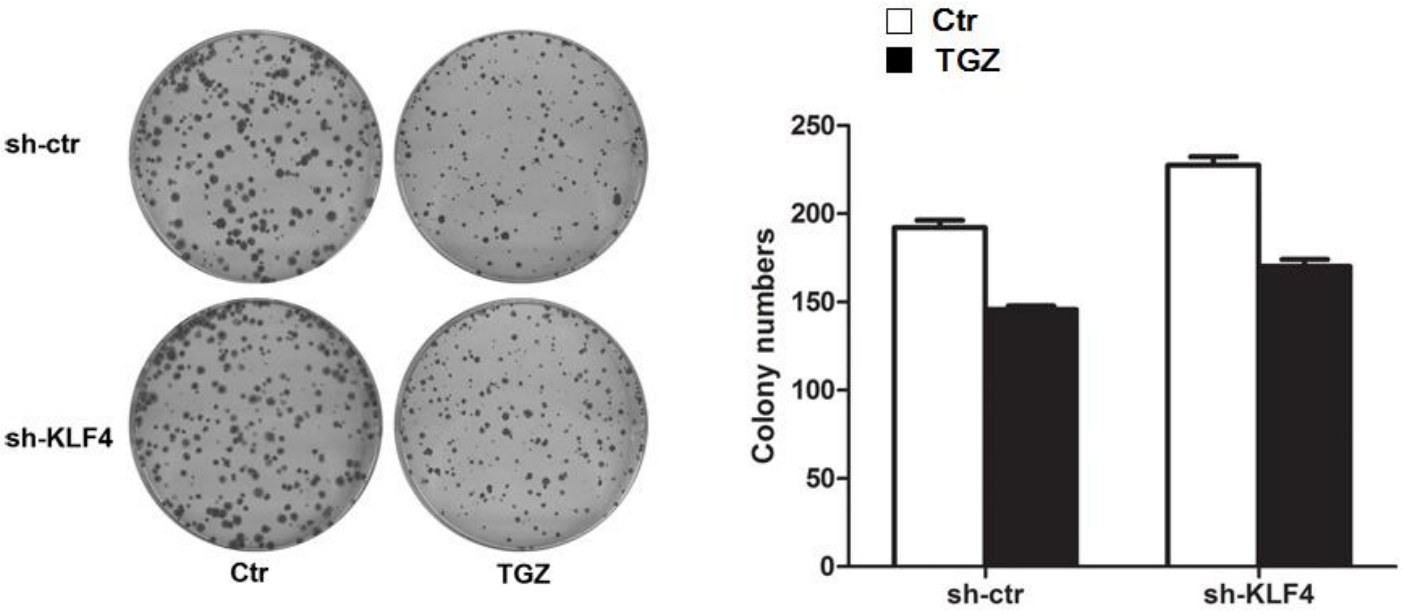

Figure S2. HCT-116 sh-ctr and sh-KLF4 cells were incubated with DMSO (Ctr) or TGZ (10 μM) for the indicated time and long-term cell survival was determined by colony formation assays. Error bars represent mean ± SD from 3 independent experiments

Figure S3

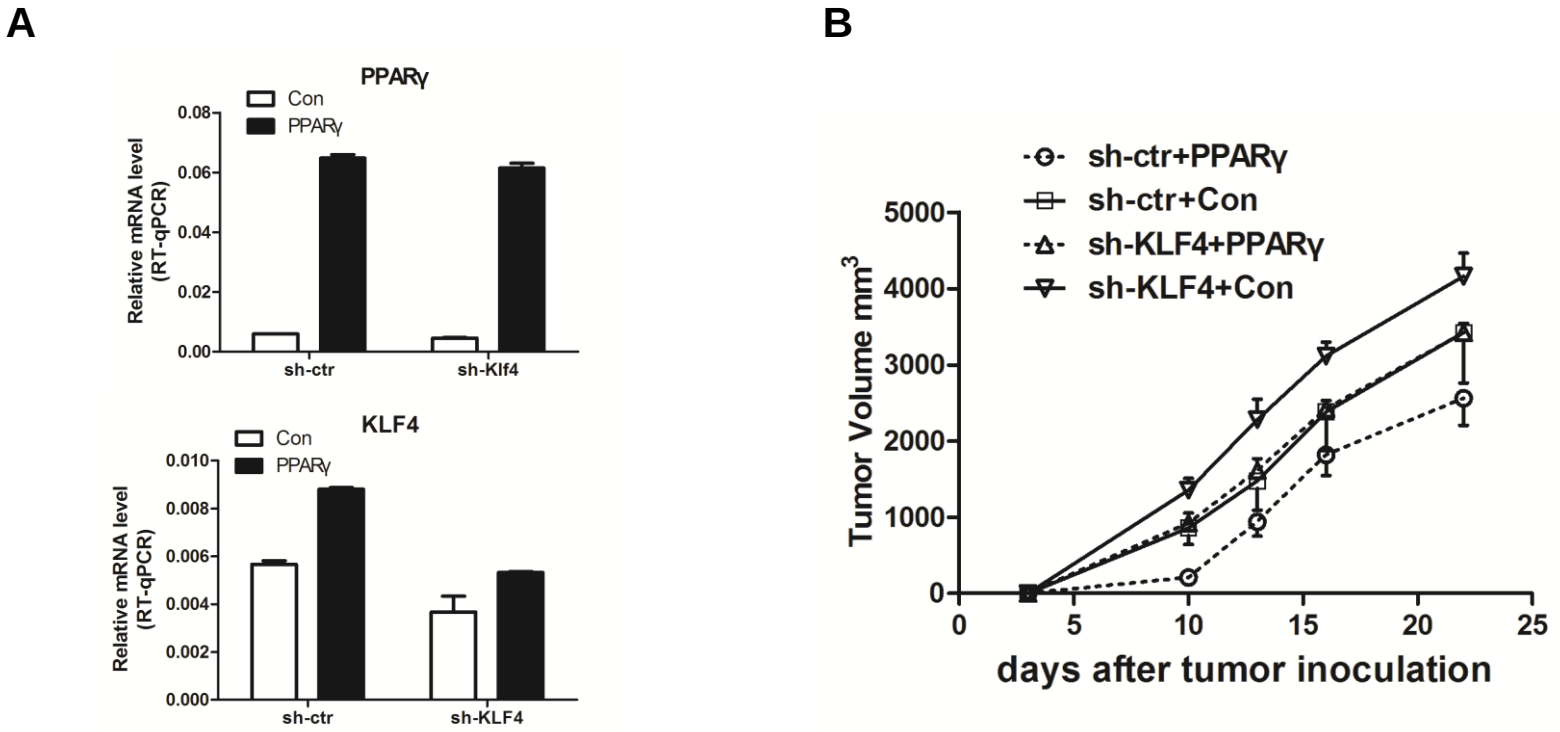

Figure S3. (A) HCT-116 sh-ctr and sh-KLF4 cells were stably transfected with or without PPARγ expression plasmid. The expression of PPARγ and KLF4 was determined by RT-qPCR. (B) HCT116 sh-ctr+PPARγ, sh-ctr+Con, sh-KLF4+PPARγ, and sh-KLF4+Con cells (1×10^6 per mouse) were injected subcutaneously into the flanks of nude (nu/nu) mice (n=5). Tumor size was measured, and volume was determined according to the formula $(W^2 \times L)/2$. Data are shown as the mean ± SD.

Figure S4

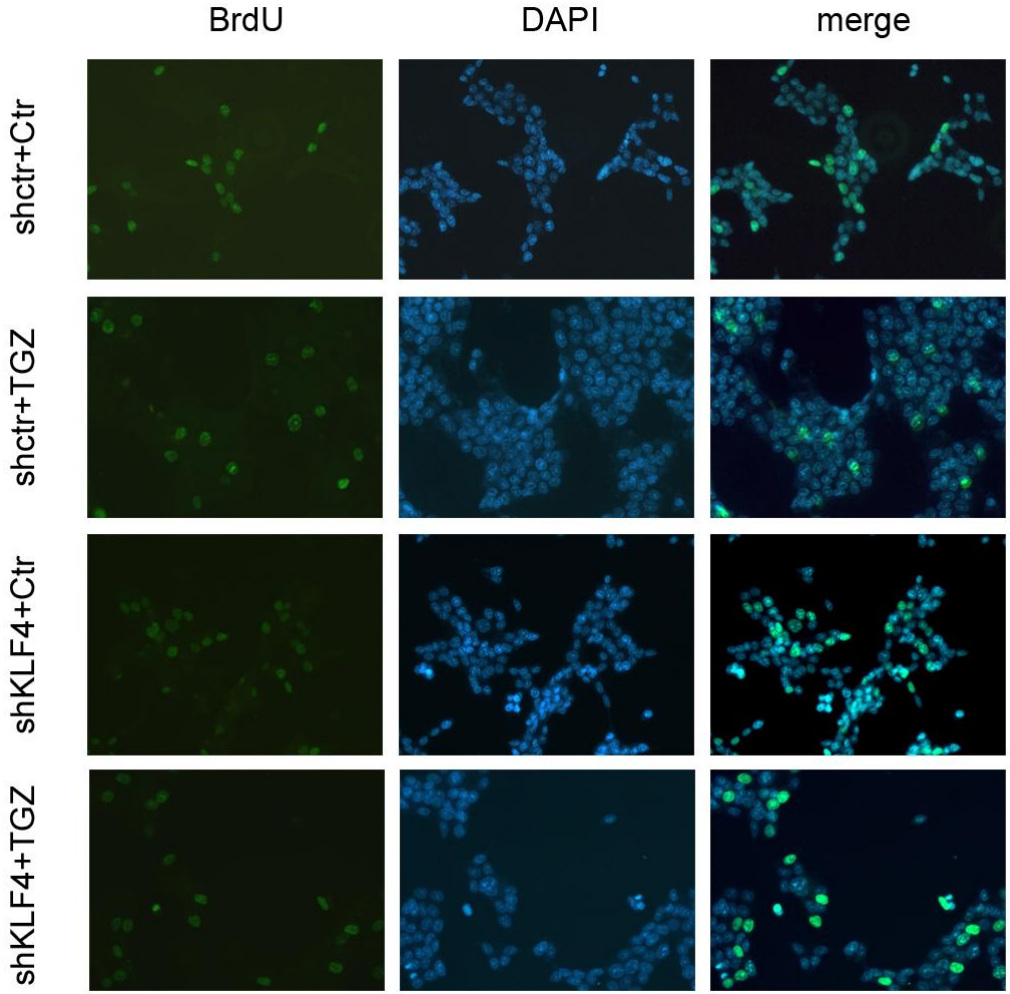

Figure S4. HCT116 sh-ctr and sh-KLF4 cells were left untreated or treated with 10μM TGZ for 48 h, then analyzed by BrdU incorporation using the BrdU Cell Proliferation ELISA kit.

Figure S5

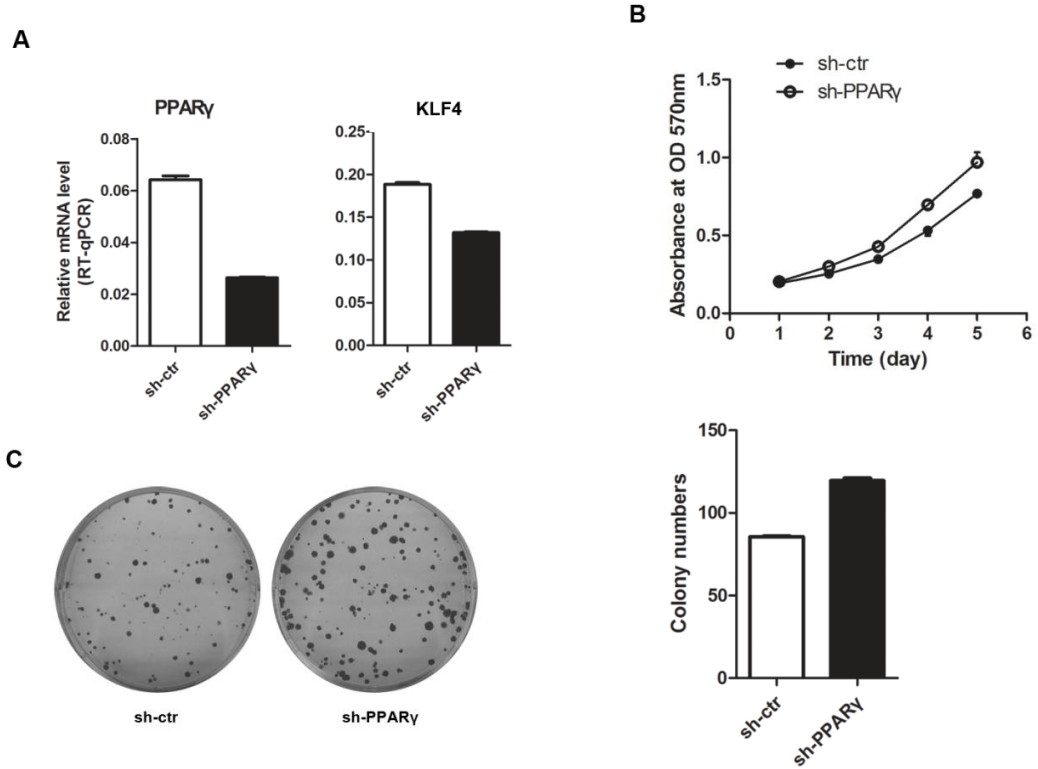

Figure S5. (A) The expression of PPARγ and KLF4 was determined in HCT-116 sh-ctr and sh-PPARγ cells by RT-qPCR. (B) HCT-116 sh-ctr and sh-PPARγ cells were incubated for the indicated time and cell growth inhibition was detected using MTS assay. Values were the mean ± SD of absorbance at 570 nm for three independent experiments. (C) Long-term cell survival was determined by colony formation assays. Error bars represent mean ± SD from 3 independent experiments.