

Figure S1. Expression level of HIF-1 α in HCC. The expression of HIF-1 α in HCC tissues and adjacent normal HCC tissues was examined with reverse transcription-quantitative PCR. *P<0.05. HIF-1 α , hypoxia-inducible factor-1 α ; HCC, hepatocellular cancer.

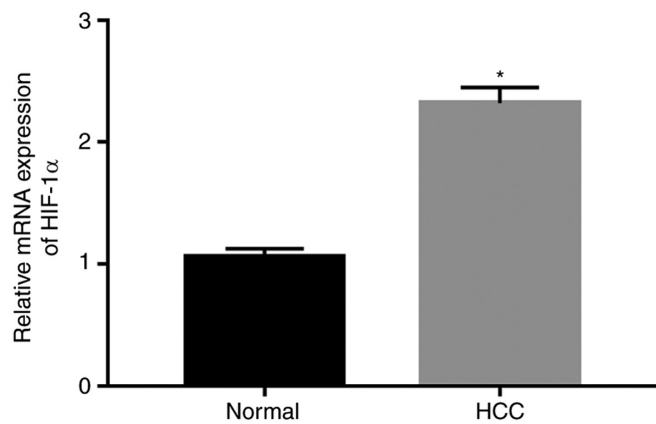


Figure S2. Reverse transcription-quantitative PCR with divergent or convergent primers revealed the existence of circ_0008450 in SNU-387 cells. circ, circular; cDNA, complementary DNA; gDNA, genomic DNA.

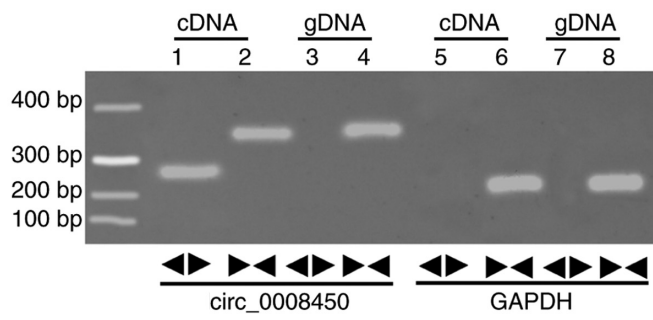


Figure S3. Effect of circ_0008450 inhibition on the apoptosis and glycolysis of THLE-2 cells under hypoxia conditions. THLE-2 cells were transfected with si-NC or si-circ_0008450. (A) Flow cytometry assays were performed to assess the apoptosis of THLE-2 cells under normoxic or hypoxic conditions. Glycolysis assays were conducted to evaluate (B) glucose consumption and (C) lactate production in THLE-2 cells under normoxic or hypoxic conditions. circ, circular; si-, small interfering; NC, negative control; N, normoxic; H, hypoxic.

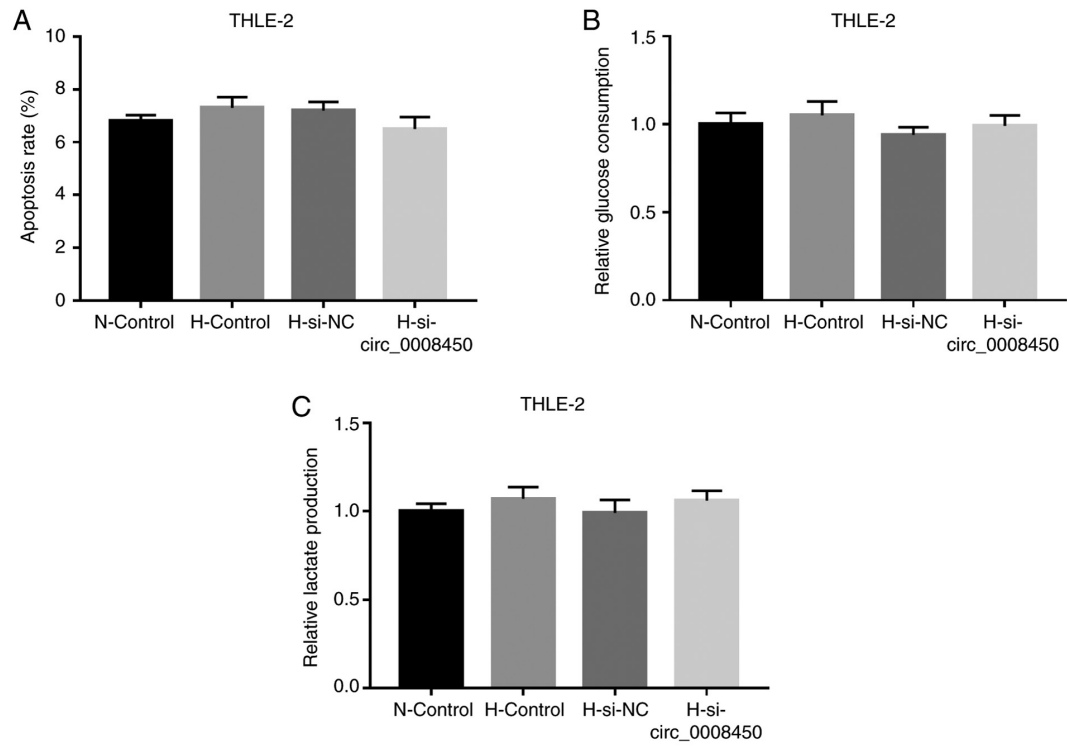


Figure S4. Effect of circ_0008450 inhibition on the levels of caspase-3 of hepatocellular cancer cells under hypoxia. The levels of caspase-3 in hypoxia-treated SNU-387 and Huh7 cells following si-NC or si-circ_0008450 transfection were detected by western blotting. *P<0.05. circ, circular; si-, small interfering; NC, negative control; N, normoxic; H, hypoxic; caspase-3, cleaved caspase-3.

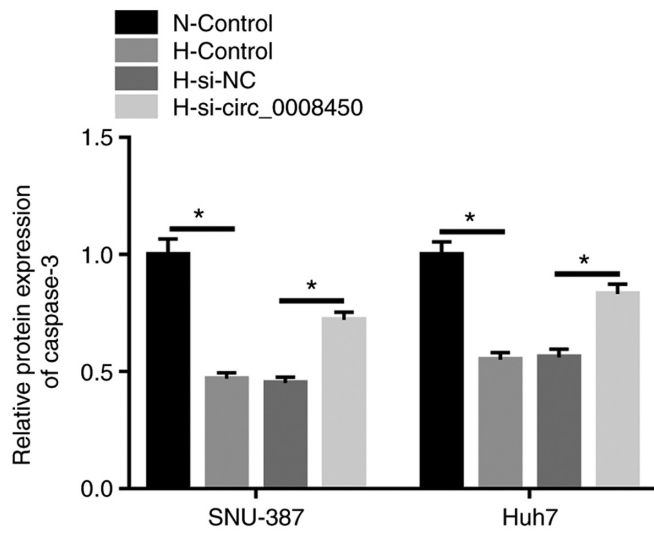


Figure S5. Transfection efficiency of the SNU-237 and Huh7 cells with circ_0008450 and pc-AKAP1. The expression of circ_0008450 and AKAP1 mRNA in SNU-387 and Huh7 cells transfected with (A) circ_0008450, vector, (B) pc-NC or pc-AKAP1 were detected by reverse transcription-quantitative PCR. *P<0.05. circ, circular; AKAP1, A-kinase anchor protein 1; pc, pcDNA; NC, negative control.

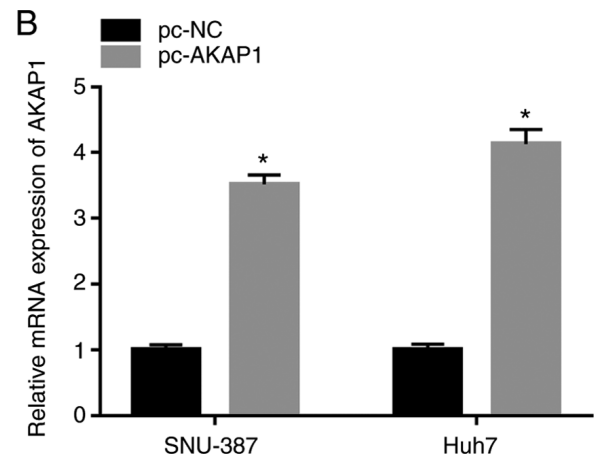
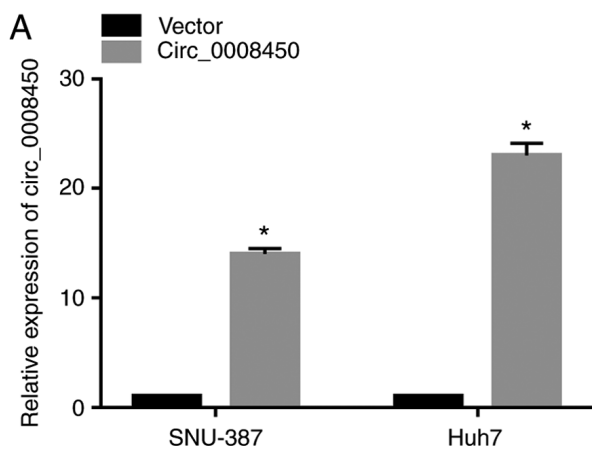


Figure S6. Transfection efficiency of the SNU-237 and Huh7 cells with sh-circ_0008450. Expression of circ_0008450 in Huh7 cells transfected with sh-circ_0008450 or sh-NC was examined by reverse transcription-quantitative PCR. *P<0.05. sh, short hairpin; circ, circular.

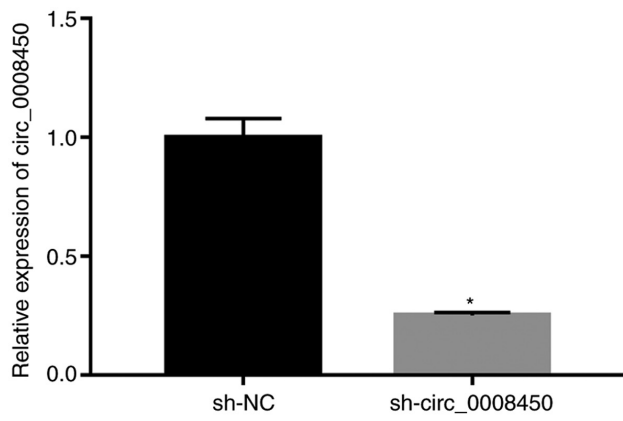


Figure S7. Levels of caspase-3 in xenograft tissues. The levels of caspase-3 in tumor tissues of the sh-circ_0008450 or sh-NC groups were measured by western blotting. *P<0.05. sh, short hairpin; NC, negative control.

