

Supplemental Table 1. Comparison of general information and intraoperative conditions between control group and LIPOC group

	Control group	LIPOC group	P-value
Gender (male/female)	7/1	7/1	
Age (years)	49.6±4.8	51.2±3.8	0.6626
Weight (kg)	59.7±6.1	58.3±5.6	0.2147
ASA grade (I/II)	2/6	3/5	
History of hepatitis B (Yes/No)	6/2	5/3	
Tumor size (cm)	4.8±2.3	5.1±2.6	0.5539
Occlusion time (min)	19.2±2.8	18.7±2.1	0.9677
Operative time (min)	176.3±23.4	182.5±26.2	0.5836
Blood loss volume (mL)	398.4±162.8	374.9±180.2	0.7368
Blood transfusion volume (mL)	226.4±114	225.9±122.0	0.3506
Fluid infusion volume (mL)	1876.0±312.4	1865.9±331.6	0.7546
Intraoperative urine volume (mL)	232.4±138.7	221.8±160.3	0.7576
Liver cirrhosis (Yes/No)	3/5	4/4	

Supplemental Table 2: The effects of LIPOC and its combination with LY294002 and PD98059 on the regulation of the levels of Akt and ERK1/2 mRNAs in liver tissues

Group	Akt mRNA	ERK1 mRNA	ERK2 mRNA
S	1.00±0.24	1.00±0.43	1.00±0.31
LY+S	0.92±0.55	1.01±0.43	1.39±0.74
PD+S	0.94±0.48	1.08±0.47	0.93±0.22
I/R	1.15±0.60	1.32±0.26	1.10±0.58
LIPOC	1.03±0.41	1.11±0.68	1.10±0.93
LY+LIPOC	1.09±0.42	1.40±0.69	0.96±0.35
PD+LIPOC	0.85±0.29	1.01±0.56	1.06±0.27

The measurement data were $2^{-\Delta\Delta C_t}$ value expressed as mean \pm standard deviation, n=6.