



**Figure S1**

(A) The mRNA expression level of TOP2A in HCC tissues and normal tissues from the ONCOMINE database. (B, C) The mRNA and protein expression level of TOP2A in a human normal LO2 cell and 6 HCC cell lines. (D, E, F) Western blot and RT-qPCR detection of TOP2A expression after lentiviral expression of sh-TOP2A and TOP2A-overexpressing. \*\*  $P < 0.01$

**Table. S1**

	Primers	Sequence (5' to 3')
1	GAPDH-F	TGTGTCCGTCGTGGATCTGA
	GAPDH-R	CCTGCTTCACCACCTTCTTGA
2	TOP2A-F	TTCTTGATATGCCCCTTGG
	TOP2A-R	GCTTCAACAGCCTCCAATTC
3	miR-144-3p-F	GCGCGCGTACAGTATAGATGA
	miR-144-3p -R	AGTGCAGGGTCCGAGGTATT
	miR-144-3p-RT	GTCGTATCCAGTGCAGGGTCCGAGG TATTCGCACTGGATACGACAGTACA
4	hsa-U6-F	GCTCGCTTCGGCAGCACATATAC
	hsa-U6-R	AGTGCAGGGTCCGAGGTATT
	has-U6-RT	GTCGTATCCAGTGCAGGGTCCGAGGTAT TCGCACTGGATACGACAAAATATGG