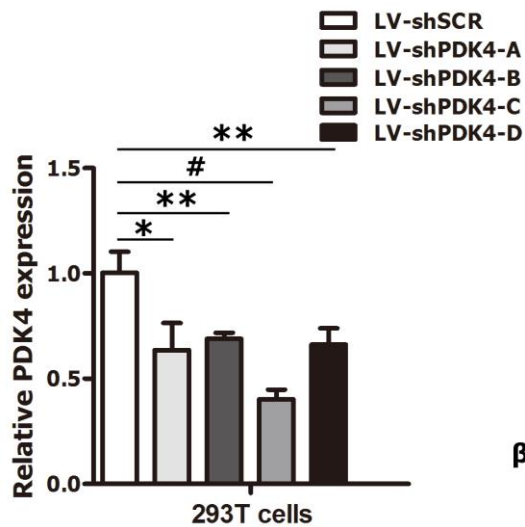
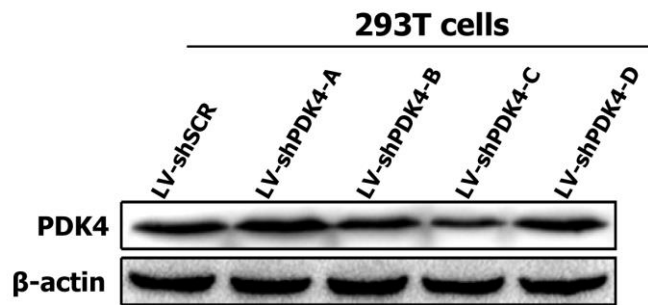


## Supplementary Figures

A

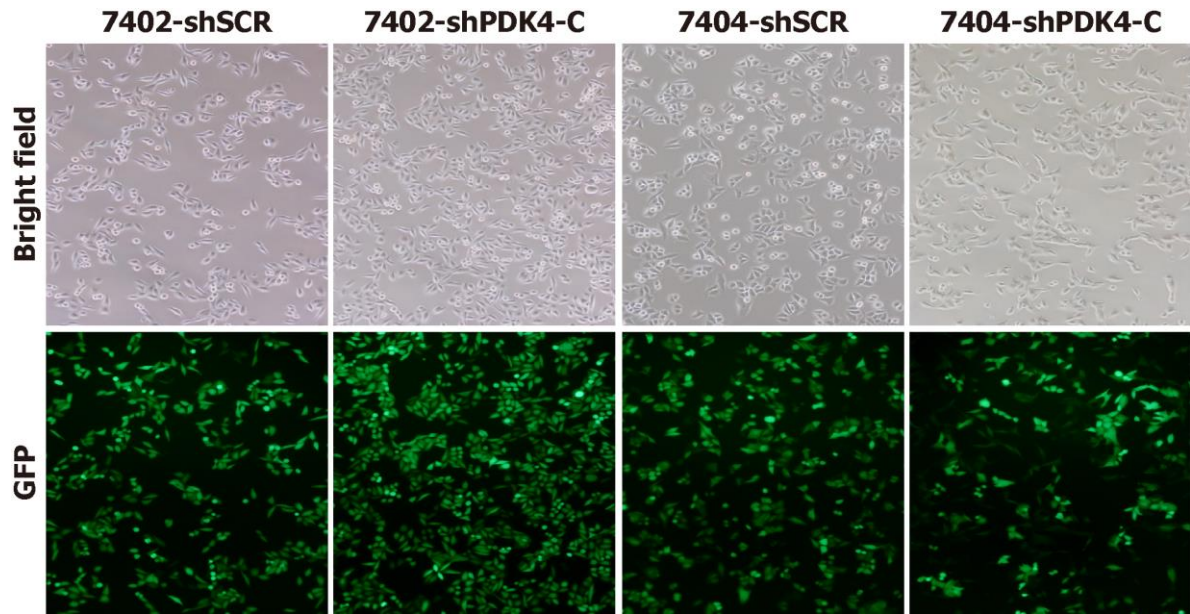


B



### Supplementary Fig. 1. qRT-PCR analysis of PDK4 expression in 293T cells transfected with the indicated siRNA-PDK4 oligonucleotides.

In order to determine the most effective interference sequence, the vector of pLV-shPDK4-A, -B, -C or -D were transiently transfected into HEK293T cells, followed by using qRT-PCR (A) and Western blot (B) to detect the interference effects and filter out the most effective interference sequence. Our results showed that shPDK4-C is the most effective interference sequence (Supplementary Fig. 1). shPDK4-C was chosen to be used for all studies.



**Supplementary Fig. 2. 7402 cells and 7404 cells were successfully infected by lentivirus carrying PDK4 and GFP.**

## Supplementary Tables

### Supplementary Table 1. Expression of PDK4 in 39 adjacent non-HCC tissues and 39 HCC tissues

Variables	<i>n</i>	PDK4 expression		$\chi^2$	<i>p</i>
		Low ( <i>n</i> , %)	High ( <i>n</i> , %)		
Adjacent non-HCC	39	8 (20.5)	31 (79.5)	29.558	0.000
HCC	39	32 (82.1)	7 (17.9)		

### Supplementary Table 2. List of antibodies and suppliers used for Western blot and immunohistochemistry

Antibody	Isotype	Suppliers
Ki67	Rabbit	Abcam
BrdU	Mouse	GE Healthcare
PDK4	Rabbit	Proteintech
$\beta$ -actin	Rabbit	Cell Signaling