

post-progression rate was still lower than that of the liver kinase *AKT1* (Fig. 1). In contrast, the expression of *AKT1* was significantly higher in the primary tumor than in the metastatic liver, suggesting that *AKT1* may play a role in the progression of liver cancer.

**X. L-** *L*-*liver kinase* *AKT1* *overexpression* *in* *liver* *cancer* *cells* *leads* *to* *cell* *proliferation* *and* *survival* *enhancement* *in* *liver* *cancer* *cells*

*Cells* *transfected* *with* *liver* *kinase* *AKT1* *overexpressing* *vectors* *showed* *significantly* *higher* *cell* *proliferation* *and* *survival* *enhancement* *in* *liver* *cancer* *cells*.

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## AKT1

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*I*-*liver* *kinase* *AKT1* *overexpression* *in* *liver* *cancer* *cells* *leads* *to* *cell* *proliferation* *and* *survival* *enhancement* *in* *liver* *cancer* *cells*.

*Cells* *transfected* *with* *liver* *kinase* *AKT1* *overexpressing* *vectors* *showed* *significantly* *higher* *cell* *proliferation* *and* *survival* *enhancement* *in* *liver* *cancer* *cells*.

*I*-*liver* *kinase* *AKT1* *overexpression* *in* *liver* *cancer* *cells* *leads* *to* *cell* *proliferation* *and* *survival* *enhancement* *in* *liver* *cancer* *cells*.

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