



Control



е

Tumor incidenc	e rate				Tumor incidenc	e rate			
MHCC97L cells	Number of cells injected	Control	Low NAC	High NAC	MHCC97L cells	Number of cells injected	Control	Low GSH	High GSH
	2,000	4/8	6/8	4/8		2,000	4/8	5/8	7/8
Frequency	20,000	4/8	6/8	7/8	Frequency	20,000	6/8	7/8	8/8
	200,000	7/8	8/8	8/8		200,000	7/8	7/8	8/8



CD44 mRNA expression in mice orthotopic liver injection tumors

CD44

ns

3

2







GO biological process: upregulated genes by GSH



-log(P value)

GO biological process: down-regulated genes by GSH





GO biological process: upregulated genes by NAC



GO biological process: down-regulated genes by NAC

b RNA-seq

С

MHCC97L cells





f











Test Results:	DNA Marker	MHCC97L ⁴	MHCC97L (L-171218744P)
	AMEL	X, Y	Х, Ү
	CSF1PO	11, 13	11, 13
	D13S317	8	8
	D16S539	12	12
	D5S818	12,13	12,13
	D7S820	10	10
	TH01	9	9
	TPOX	8	8
	vWA	14	14
	D18S51		13, 22
	D21S11		31.2
	D3S1358		15, 16
	D8S1179		12, 13
	FGA		21, 24
	Penta D		8,9
	Penta E		11, 17
		12	
	Total number of a	12	
		100%	

Figure S9. STR authentication of MHCC-97L cells.



a Cell proliferation assay Sorafenib, SSA and BSO treatment