

Supplementary materials

Figure S1

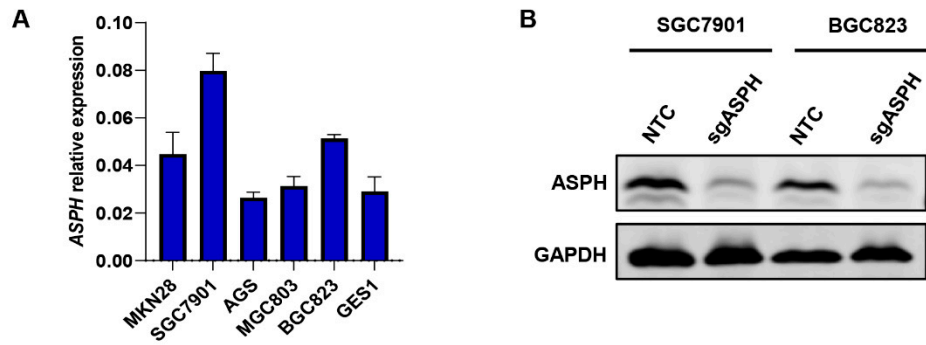


Figure S1 Construction of ASPH-knockout cells. (A) Detection of endogenous ASPH in human gastric cancer cell lines by RT-qPCR analysis. (B) ASPH knockout cells were verified by western blot.

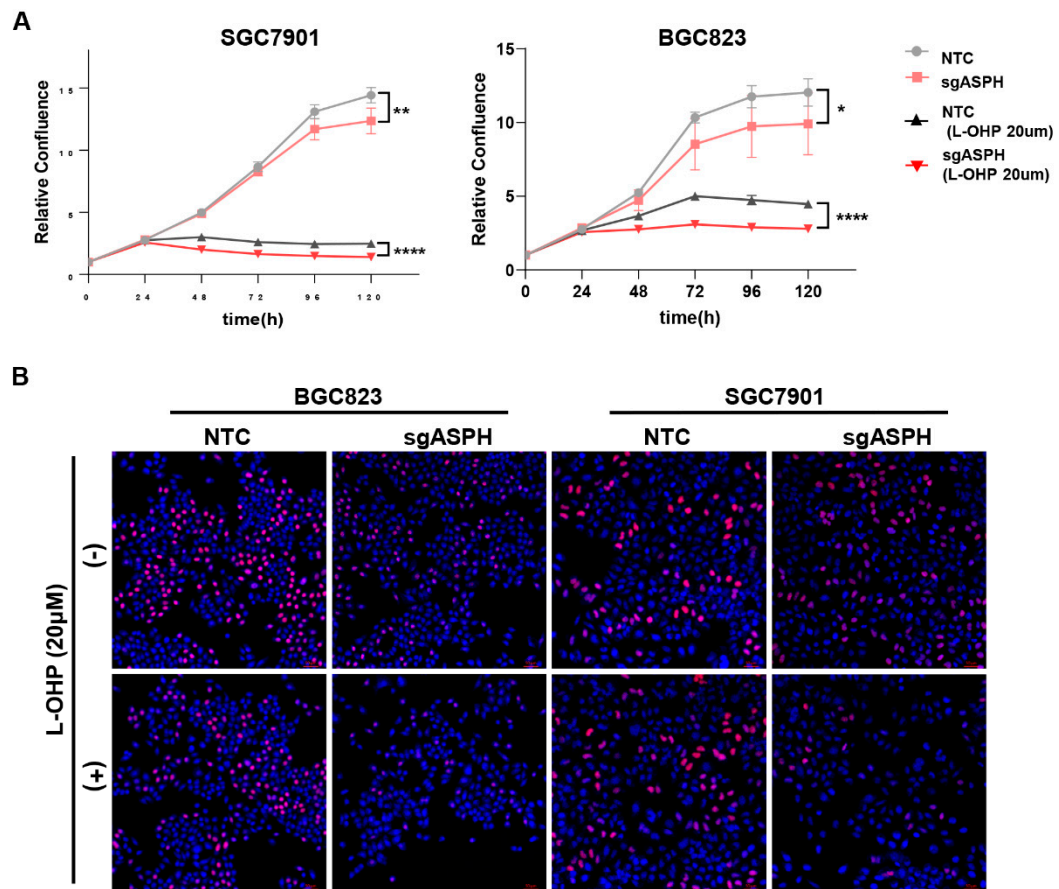


Figure S2 ASPH knockout enhanced the inhibitory effect of chemotherapeutics on cell proliferation. (A) ASPH knockout cells obviously decreased cell proliferation ability disposed with or without L-OHP, detecting with IncuCyte ZOOM™ instrument. (B) EdU assay for proliferation of GC cells following L-OHP-induced apoptosis. * $p < 0.05$, ** $p < 0.01$, **** $p < 0.0001$. Scale bar: 50μm.

Table S1 Correlation of ASPH expression with clinicopathological features in 70 gastric cancer patients after neoadjuvant chemotherapy

Variables		ASPH expression		<i>P</i> value ^{&}
		Negative	Positive	
Age				0.775
	≤60	45	25	
	>60	25	13	
Sex				0.492
	Male	53	30	
	Female	17	8	
Lymph node metastasis				0.898
	No	17	9	
	N1+2+3	53	29	
Depth of invasion				
	T1+2	9	6	0.660
	T2+3	61	32	
Distant metastasis				0.846
	Mo	58	30	
	M1	8	5	
	Undetermined	4	3	
Differentiation				
	Poor	32	12 (37.5)	0.014
	Moderate + Well	34	23 (67.6)	
	Undetermined	4	3	
Gross type				0.464
	Ulcerative type	54	31	
	Others*	13	6	
	Undetermined	3	1	
Tumor size				0.758
	≤5.0cm	35	20	
	>5.0cm	30	16	
	Undetermined	5	2	
Location				0.394
	Cardiac	16	10	
	Gastric	50	27	
	EGJ	4	1	
Lauren				0.114
	Diffuse	11	6	
	Intense	48	29	
	Mixed	6	1	
	Undetermined	5	2	

Histology				0.316
Adenoma	62	35	27	
Others [#]	7	2	5	
Undetermined	1	1	0	
TNM stage				0.163
I+II	25	16	9 (36.0%)	
III+IV	41	19	22 (53.7%)	
Undetermined	4	3	1	

&: Chi-square test or Fisher's exact test

Others*: protrude type, infiltrative type or mixed; Others[#]: signet-ring cell adenocarcinoma, mucinous adenocarcinoma.