

Table S1. Primer sequences used in this study

Primer name	Sequences
HPRT1	forward: 5 '-GATCTGTGAGTTCATCAGCGGC-3'; reverse: 5 'TGACGAAGCAGTCGTTGAGCGA-3'
GAPDH	forward:5'-TGCACCACCAACTGCTTAG-3' reverse: 5'-GATGCAGGGATGATGTTC-3'
MMP1	forward: 5'-GGGGCTTTGATGTACCCTAGC-3' reverse: 5'-TGTCACACGCTTTTGGGGTTT-3'
Sh-HPRT1#1	CCAGGTTATGACCTTGATTTA
Sh-HPRT1#2	CCAGACTTTGTTGGATTTGAA
Si-HPRT1#1	GUUUUUUCCUCAUGGACUA
Si-HPRT1#2	GACUGAACGUCUUGCUCGA
Si-MMP1#1	TGAAGATGAAAGGTGGACCAA
Si-MMP1#2	GTTTGTGGCTTATGGATTCAT

Table S2. Primary antibody used in this study

Primary antibody name	Species	Manufacturer and location
HPRT1	Rabbit	Cell Signaling Technology, Boston, US
MMP1	Mouse	GenTex, Texas, US
GAPDH	Mouse	Sigma Aldrich, St. Louis, Missouri, US
γ-H2AX	Mouse	Cell Signaling Technology, Boston, US
HFM1	Rabbit	Sigma Aldrich, St. Louis, Missouri, US
CDRT1	Rabbit	Biorbyt Ltd. 5 Orwell Furlong, United Kingdom
TECRP1	Rabbit	Sigma Aldrich, St. Louis, Missouri, US
FSCN2	Rabbit	Abclonal Technology, Wuhan, China
PI3K , p-PI3K	Rabbit	Cell Signaling Technology, Boston, USA
AKT, p-AKT	Mouse	Sigma Aldrich, St. Louis, Missouri, US
Survivin	Mouse	Sigma Aldrich, St. Louis, Missouri, US
C-myc	Mouse	Cell Signaling Technology, Boston, USA

Table S3. Correlation between HPRT1 expression and clinicopathological characteristics of OSCC patients

Characteristics	HPRT1 expression			P value
	NO.	Low No.	High No.	
Total No.	136	68	68	
Gender				0.571
Male	86	45	43	
Female	50	23	25	
Age				0.500
≤55	67	32	35	
>55	69	36	33	
AJCC				0.001
StageI-II	66	42	24	
StageIII-IV	70	26	44	
T classification				0.003
T1-T2	77	46	31	
T3-T4	59	22	37	
N classification				0.001
N0	73	44	29	
N+	63	24	39	
Smoking				0.230
Yes	66	40	26	
No	70	28	42	
Drinking				0.487
Yes	79	28	51	
No	57	40	17	
Relapse				0.010
Yes	45	16	29	
No	91	52	39	

Table S4. Univariate and multivariate analysis of factors associated with overall survival in OSCC patients

Variate	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P value	HR (95% CI)	P value
Gender				
Male	1(Ref)			
Female	0.663(0.403, 1.029)	0.107		
Age				
≤55	1(Ref)			
>55	1.288(0.809, 2.049)	0.286		
Drinking				
No	1(Ref)			
Yes	1.119(0.746, 1.903)	0.464		
Smoking				
No	1(Ref)			
Yes	1.247 (0.785, 1.981)	0.349		
N classification				
N0	1(Ref)		1(Ref)	
N+	1.780(1.117, 2.834)	0.015	1.143(0.690, 1.895)	0.603
T classification				
T1-T2	1(Ref)		1(Ref)	
T3-T4	2.055(1.292, 3.268)	0.002	1.532(0.942, 2.492)	0.086
AJCC Stage				
Stage I-II	1(Ref)		1(Ref)	
Stage III-IV	2.256(1.387, 3.669)	0.001	0.897(0.897, 2.625)	0.118
HPRT1 expression				
Low	1(Ref)		1(Ref)	
High	2.833(1.744, 4.602)	< 0.0001	2.118(1.240, 3.617)	0.006

**Table S5. Univariate and multivariate analysis of factors associated with
delapse-free survival in OSCC patients**

Variate	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P value	HR (95% CI)	P value
Gender				
Male	1(Ref)			
Female	0.661(0.402, 1.086)	0.102		
Age				
≤55	1(Ref)			
>55	1.345(0.844, 2.141)	0.212		
Drinking				
No	1(Ref)			
Yes	1.114(0.698, 1.779)	0.650		
Smoking				
No	1(Ref)			
Yes	1.197 (0.754, 1.901)	0.447		
N classification				
N0	1(Ref)		1(Ref)	
N+	1.827(1.147, 2.912)	0.011	1.082(0.664, 1.817)	0.767
T classification				
T1-T2	1(Ref)		1(Ref)	
T3-T4	2.094(1.315, 3.334)	0.020	1.515(0.928, 2.474)	0.097
AJCC Stage				
Stage I-II	1(Ref)		1(Ref)	
Stage III-IV	2.288(1.405, 3.726)	0.001	1.545(0.893, 2.674)	0.120
HPRT1 expression				
Low	1(Ref)		1(Ref)	
High	3.101(1.898, 5.006)	< 0.0001	2.393(1.394, 4.108)	0.002

Figure S1HPRT1 mRNA levels in OSCC tissues and OSCC cell lines.

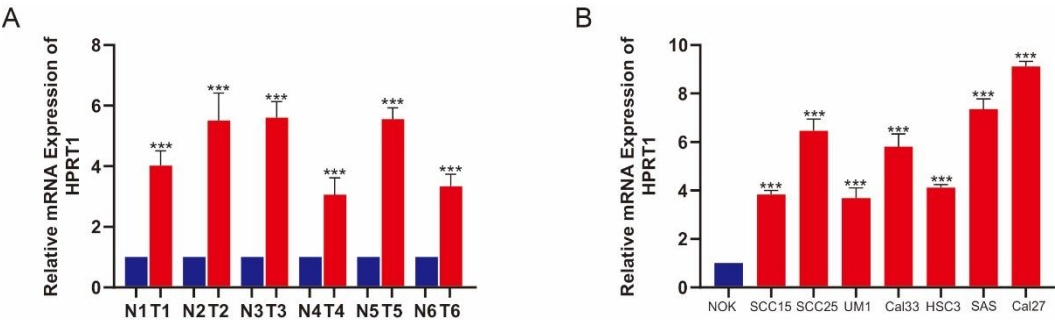


Figure S2 Original pictures of western blot bands in Figure 2.

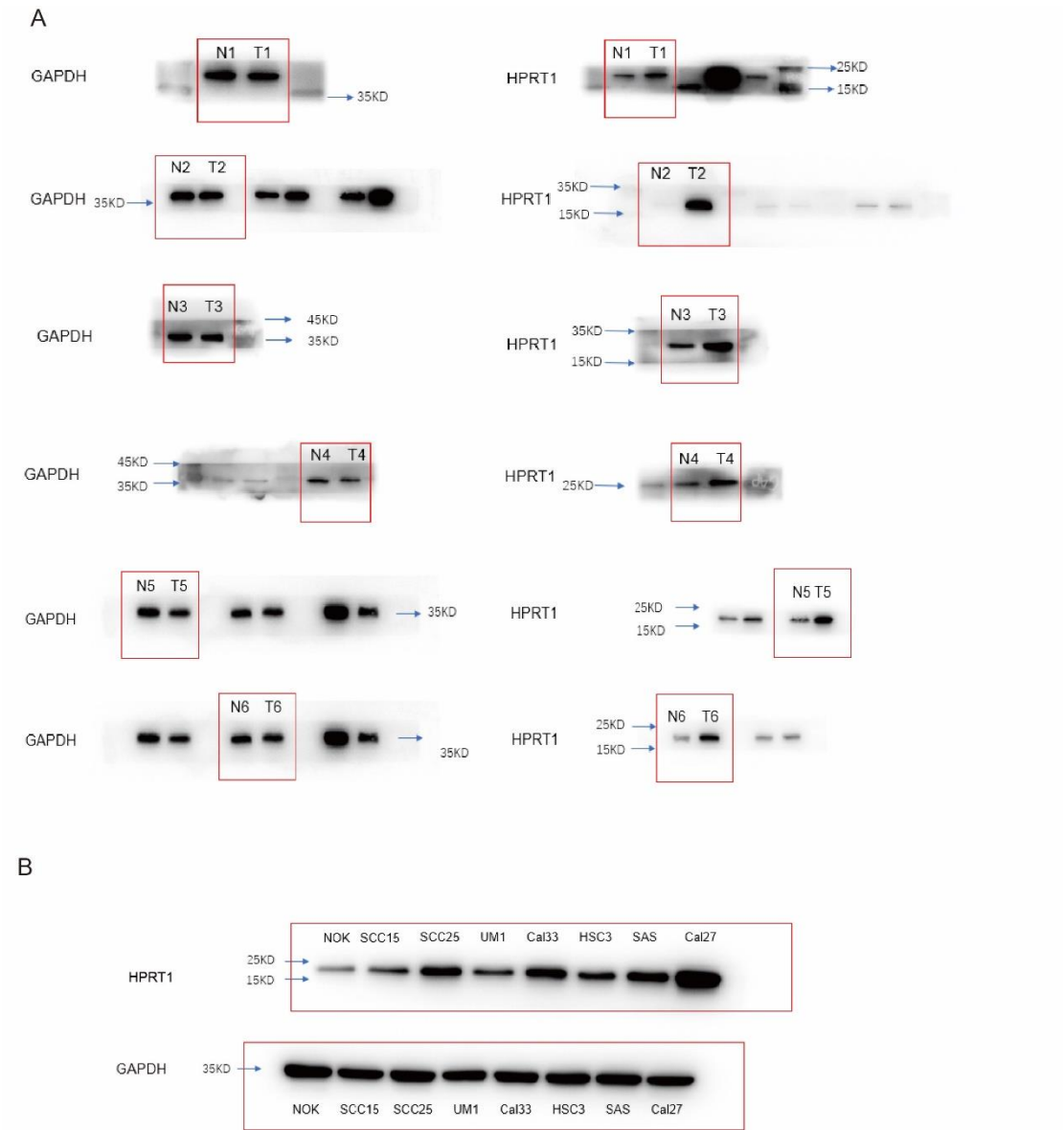


Figure S3 Original pictures of western blot bands in Figure 3.



Figure S4 Original pictures of western blot bands in Figure 4.

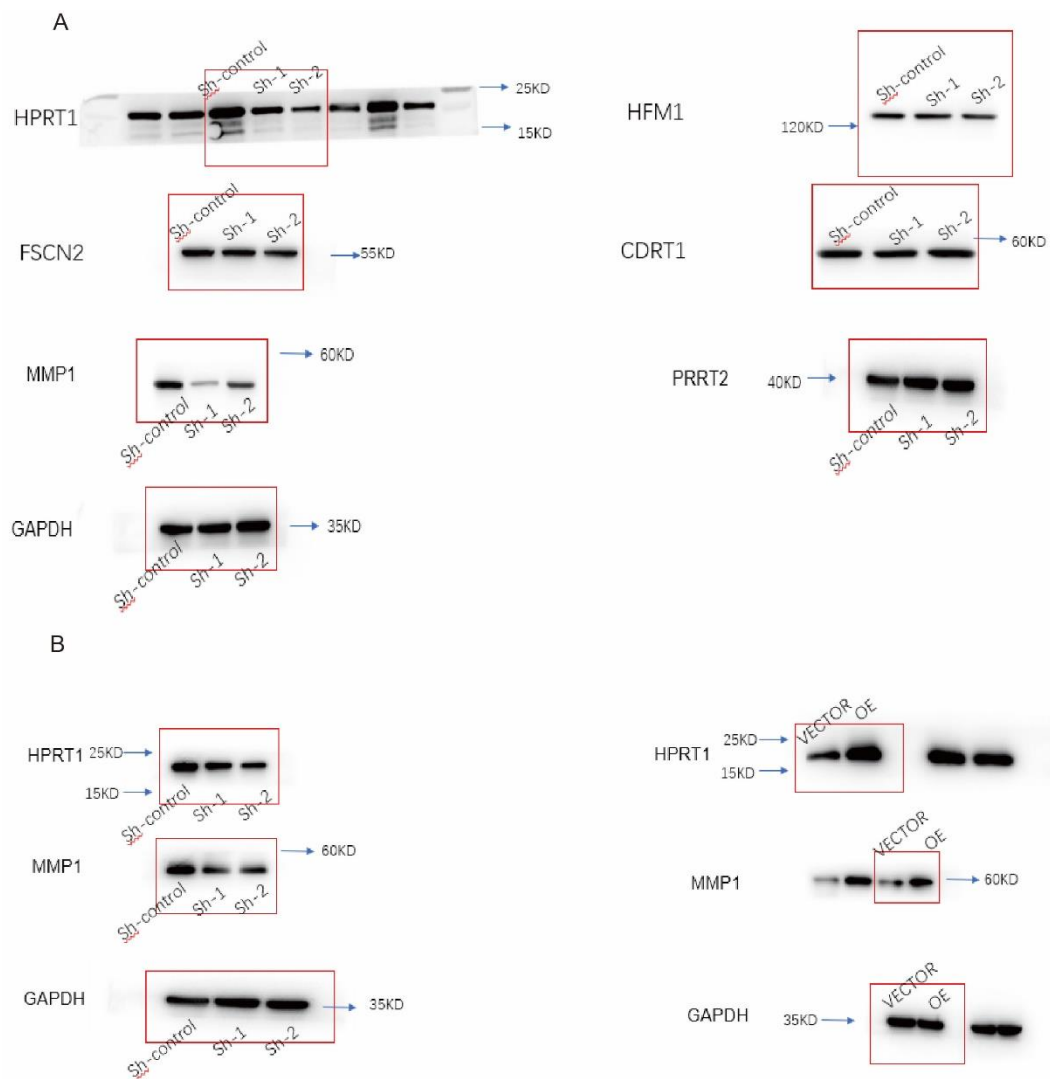


Figure S5 Original pictures of western blot bands in Figure 6.

