

## Supplementary tables

Table SI. Primer pairs of 4 hub genes.

Primer name	Primer sequence (5' → 3')
FOXM1	F: ATCACAGCAGAAACGACCGA
	R: AATGCGGACTCGCTTGCTAT
CCNB1	F: AACATCTGGATGTGCCCTG
	R: AGTGACTTCCCGACCCAGTA
CCNB2	F: TCGACCCTTGCCACTACAC
	R: ACCTTCTGAGACAAGCAGGAAG
CCNA2	F: CATGAAGAAACAGCCAGACATC
	R: CAAACTCTGCTACTTCTGGGG

CCN, cyclin; F, forward; R, reverse.

Table SII. Multiple comparisons test results of reverse transcription-quantitative PCR for cyclin A2.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.2325	-0.4338 to -0.03125	Yes	*	0.0314
16-HBE vs. H1299	-1.268	-1.469 to -1.067	Yes	****	<0.0001
16-HBE vs. A549	0.1021	-0.09924 to 0.3034	No	ns	0.2873

\*P<0.05, \*\*\*\*P<0.0001. ns, not significant.

Table SIII. Multiple comparisons test results of reverse transcription-quantitative PCR for cyclin B1.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-1.239	-1.438 to -1.040	Yes	****	<0.0001
16-HBE vs. H1299	-3.466	-3.665 to -3.266	Yes	****	<0.0001
16-HBE vs. A549	-1.163	-1.363 to -0.9638	Yes	****	<0.0001

\*\*\*\*P<0.0001.

Table SIV. Multiple comparisons test results of reverse transcription-quantitative PCR for cyclin B2.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.7101	-0.9509 to -0.4693	Yes	**	0.0010
16-HBE vs. H1299	-3.466	-3.706 to -3.225	Yes	****	<0.0001
16-HBE vs. A549	-1.024	-1.265 to -0.7832	Yes	***	0.0002

\*\*P<0.01, \*\*\*P<0.001, \*\*\*\*P<0.0001.

Table SV. Multiple comparisons test results of reverse transcription-quantitative PCR for FOXM1.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.6197	-0.9048 to -0.3346	Yes	**	0.0033
16-HBE vs. H1299	-1.711	-1.996 to -1.426	Yes	****	<0.0001
16-HBE vs. A549	-0.04606	-0.3311 to 0.2390	No	ns	0.8851

\*\*P<0.01, \*\*\*\*P<0.0001. ns, not significant.

Table SVI. Multiple comparisons test results of western blot analysis for cyclin A2.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.2875	-0.3678 to -0.2071	Yes	**	0.0041
16-HBE vs. H1299	-0.5816	-0.7840 to -0.3792	Yes	**	0.0063
16-HBE vs. A549	-0.2622	-0.3582 to -0.1662	Yes	**	0.0070

\*\*P<0.01.

Table SVII. Multiple comparisons test results of western blot analysis for cyclin B1.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.02645	-0.09754 to 0.04465	No	ns	0.2797
16-HBE vs. H1299	0.1239	0.1100 to 0.1379	Yes	***	0.0007
16-HBE vs. A549	0.4284	0.2945 to 0.5623	Yes	**	0.0051

\*\*P<0.01, \*\*\* P<0.001. ns, not significant.

Table SVIII. Multiple comparisons test results of western blot analysis for cyclin B2.

Dunnett's multiple comparisons test	Mean Difference	95.00% confidence interval of difference	Below threshold?	Summary	Adjusted P-value
16-HBE vs. B2B	-0.1638	-0.2659 to -0.06172	Yes	*	0.0200
16-HBE vs. H1299	-0.09044	-0.1311 to -0.04974	Yes	*	0.0105
16-HBE vs. A549	-0.3658	-0.5181 to -0.2135	Yes	**	0.0090

\*P<0.05, \*\*P<0.01.



Table SIX. Multi-factorial logistic regression of CCNB2, CCNB1, CCNA2 and FOXM1.

	Estimate	P-value	OR
(Intercept)	2.502	0	12.205 (7.33~21.807)
CCNA2	0.833	0.137	0.435 (0.148~1.356)
CCNB1	1.971	0.001	0.139 (0.04~0.457)
CCNB2	1.024	0.03	0.359 (0.146~0.944)
FOXM1	1.213	0.034	0.297 (0.1~0.975)

CCN, cyclin.

Tables SX. multi-factorial logistic regression of CCNB2, CCNB1 and FOXM1

	Estimate	P-value	OR
(Intercept)	2.473	0	11.861 (7.155~21.073)
CCNB1	2.281	0	0.102 (0.031~0.315)
CCNB2	1.314	0.002	0.269 (0.121~0.63)
FOXM1	1.389	0.013	0.249 (0.086~0.793)

CCN, cyclin.