Figure S1. A549 and H460 cells transfected with indicated siRNAs for 48 h were collected and analyzed by flow cytometry (n = 3).
Figure S2. Scatterplots of Cyclin K vs β-catenin and Cyclin D1 mRNA expression in lung cancer samples available from TCGA database (n = 526). The Pearson correlation coefficient (R) and p value are shown.
| Genes   | Sequences (5’--3’)                                                                 | Size (bp) |
|---------|-----------------------------------------------------------------------------------|-----------|
| Cyclin K| F:\(^a\): AAATGACAGTCTCTGCACCACCTT  
R: ACAAGAATGGACCTCCAAAACCCAT                                                   | 77        |
| Cyclin D1| F: CCTCTGTGCCACAGATG  
R: GGGTCACACTTGATCACTC                                                       | 144       |
| GNG3    | F: GATAAAGGTGTCCAAGGCAGC  
R: AACTTCTTCTCCCAGGAAGGG                                                  | 95        |
| PCDH9   | F: CAGGAACATAGGGGATAGTAGCC  
R: CACCAGAAGGTGACGAAGA                                                     | 94        |
| WNT9A   | F: GGACTTCCACAACAACCTCG  
R: GTGCCCTCTCATACTTGCT                                                        | 146       |
| GNG7    | F: ACTAACAACATAGCCAGGCC  
R: CTTAAGGGGTTCTCCAGGG                                                      | 149       |
| β-catenin| F: CAACTAAACAGGAAGGGATGGGAAGG  
R: CAGATGACGAAGAGCAGATGG                                                    | 213       |
| c-MYC   | F: CAGCGACTCTGAGGAGGAAC  
R: TGTGAGGAGTTTGCTGTGG                                                       | 110       |
| Axin-2  | F: TGACGGACAGCAGTGTAGATG  
R: GGTTCTCGGAAATGAGGTAG                                                      | 103       |
| GAPDH   | F: AGAAGGCTGGGCTCATTTC  
R: AGGGGCCATCCACAGTCTTC                                                    | 137       |

\(^a\) F, forward primer; R, reverse primer.

**Table S1. Sequences of primers used for Real-time quantitative PCR.**
| Features       | Cyclin K expression | P value |
|---------------|---------------------|---------|
|               | high | low |         |
| Mean age (years) | 61.915 | 65 | 17 |  |
| Age (years)    |       |     |     |     |
| ≤60            | 34 | 11 | 0.421 |  |
| >60            | 31 | 6 |  |
| Sex            |       |     |     |     |
| Male           | 37 | 7 | 0.284 |  |
| Female         | 28 | 10 |  |
| Tumor size     |       |     |     |     |
| T1 (≤3cm)      | 21 | 9 | 0.290 |  |
| T2 (>3cm, ≤7cm) | 38 | 7 |  |
| T3 (>7cm)      | 6 | 1 |  |
| Stage          |       |     |     |     |
| I              | 19 | 6 | 0.024 |  |
| II             | 14 | 9 |  |
| III            | 31 | 2 |  |
| IV             | 1 | 0 |  |
| T              |       |     |     |     |
| 1              | 12 | 5 | 0.479 |  |
| 2              | 37 | 10 |  |
| 3              | 10 | 2 |  |
| 4              | 6 | 0 |  |
| N              |       |     |     |     |
| 0              | 26 | 6 | 0.954 |  |
| 1              | 12 | 3 |  |
| 2              | 13 | 2 |  |
| 3              | 3 | 1 |  |
| M              |       |     |     |     |
| 0              | 64 | 17 | 0.607 |  |
| 1              | 1 | 0 |  |

Table S2. Association between the clinicopathologic parameters and expression of Cyclin K in human lung cancer tissues.