# Supplementary Materials: Prp19 Arrests Cell Cycle via Cdc5L in Hepatocellular Carcinoma Cells

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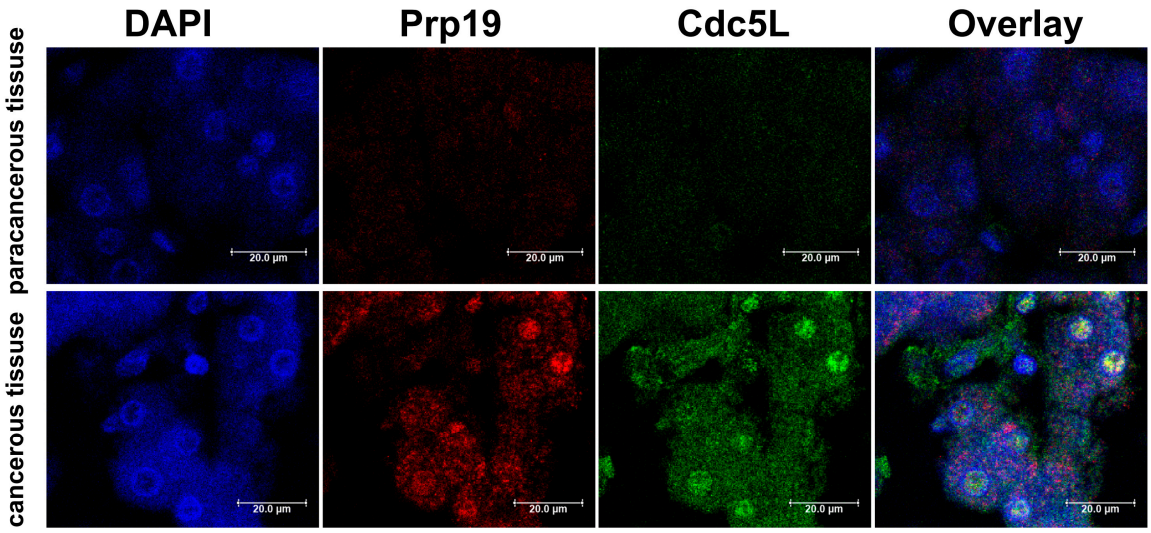


**Figure S1.** Immunofluorescence microscope images of Prp19 and Cdc5L in HCC and non-HCC tissue. (Upper panel, non-HCC tissue; Lower panel, HCC tissue).

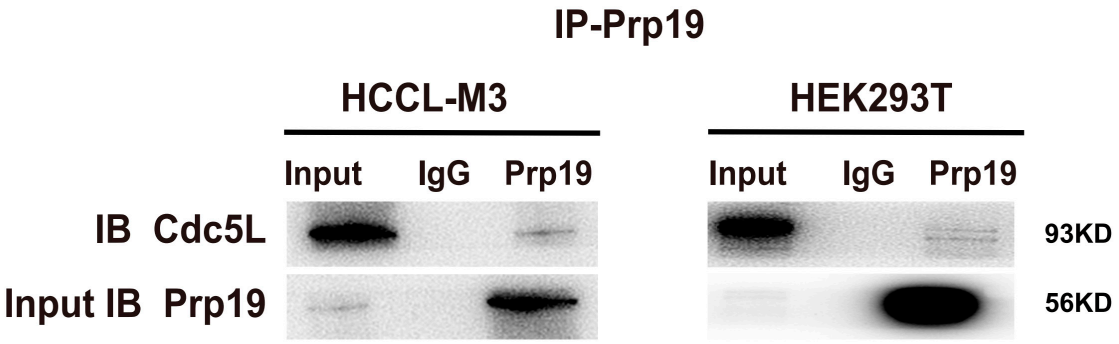


**Figure S2.** Endogenous interaction between Prp19 and Cdc5L was detected in HCCLM3 and HEK293T cells.

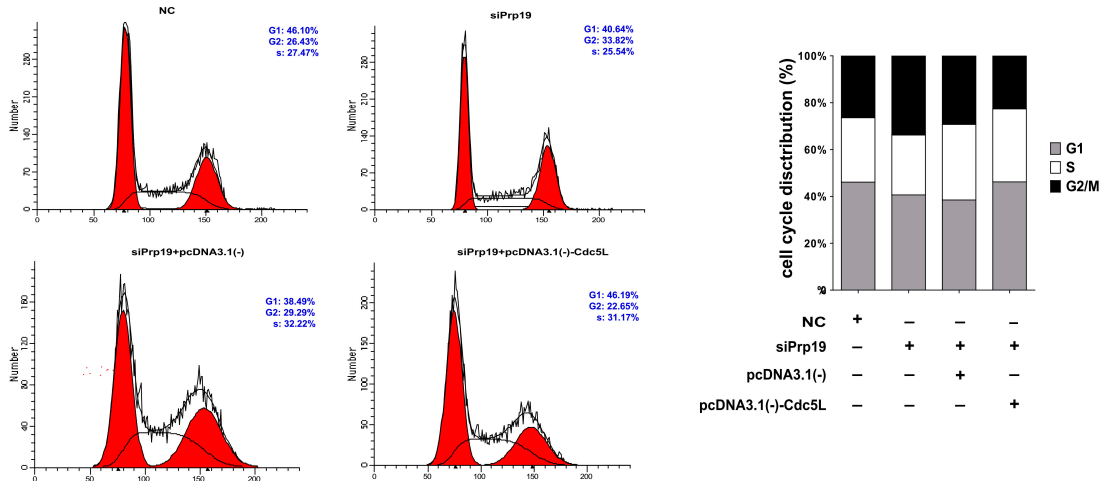


**Figure S3.** Flow cytometry analysis of cell cycle distribution of SMMC-7721 cells transfected with indicated siRNAs and plasmids in Figure 4A. Quantification of cell cycle shown in right panel.

**Table S1.** Clinic pathological features in relation to the Cdc5L and Prp19 expression of HCC tissues

| Characteristics | | Total | Cdc5L | | Prp19 | |
|---|---|---|---|---|---|---|
| | | | Low | High | Low | High |
| Gender | Female | 10 | 0 | 10 | 0 | 10 |
| | Male | 59 | 22 | 37 | 21 | 38 |
| Age (years) | <50 | 20 | 4 | 16 | 4 | 16 |
| | ≥50 | 49 | 18 | 31 | 17 | 32 |
| HbsAg | Negative | 16 | 7 | 9 | 7 | 9 |
| | Positive | 53 | 15 | 38 | 14 | 39 |
| AFP (ng/mL) | <400 | 38 | 13 | 25 | 13 | 25 |
| | >=400 | 31 | 9 | 22 | 8 | 23 |
| Cirrhosis | Negative | 12 | 6 | 6 | 6 | 6 |
| | Positive | 57 | 6 | 51 | 5 | 52 |
| Tumor size (cm) | <5 | 45 | 14 | 31 | 12 | 33 |
| | ≥5 | 24 | 8 | 16 | 9 | 15 |
| Tumor number | Single | 47 | 14 | 33 | 13 | 34 |
| | Multiple | 22 | 8 | 14 | 8 | 14 |
| AJCC stage | I and II | 49 | 16 | 33 | 15 | 34 |
| | III and IV | 20 | 6 | 14 | 6 | 14 |

**Table S2.** List of siRNAs for suppressing Prp19 and control siRNA

| siRNAs | Sequence (5′ to 3′) |
|---|---|
| siRNA1 Prp19 sense | GCC ACU AUC AGG AUU UGG UTT |
| siRNA1 Prp19 antisense | ACC AAA UCC UGA UAG UGG CTT |
| siRNA2 Prp19 sense | CUU GAA GGA ACG UAC UAA UTT |
| siRNA2 Prp19 antisense | AUU AGU ACG UUC CUU CAA GTT |
| siRNA Negative control sense | UUC UCC GAA CGU GUC ACG UTT |
| siRNA Negative control antisense | ACG UGA CAC GUU CGG AGA ATT |