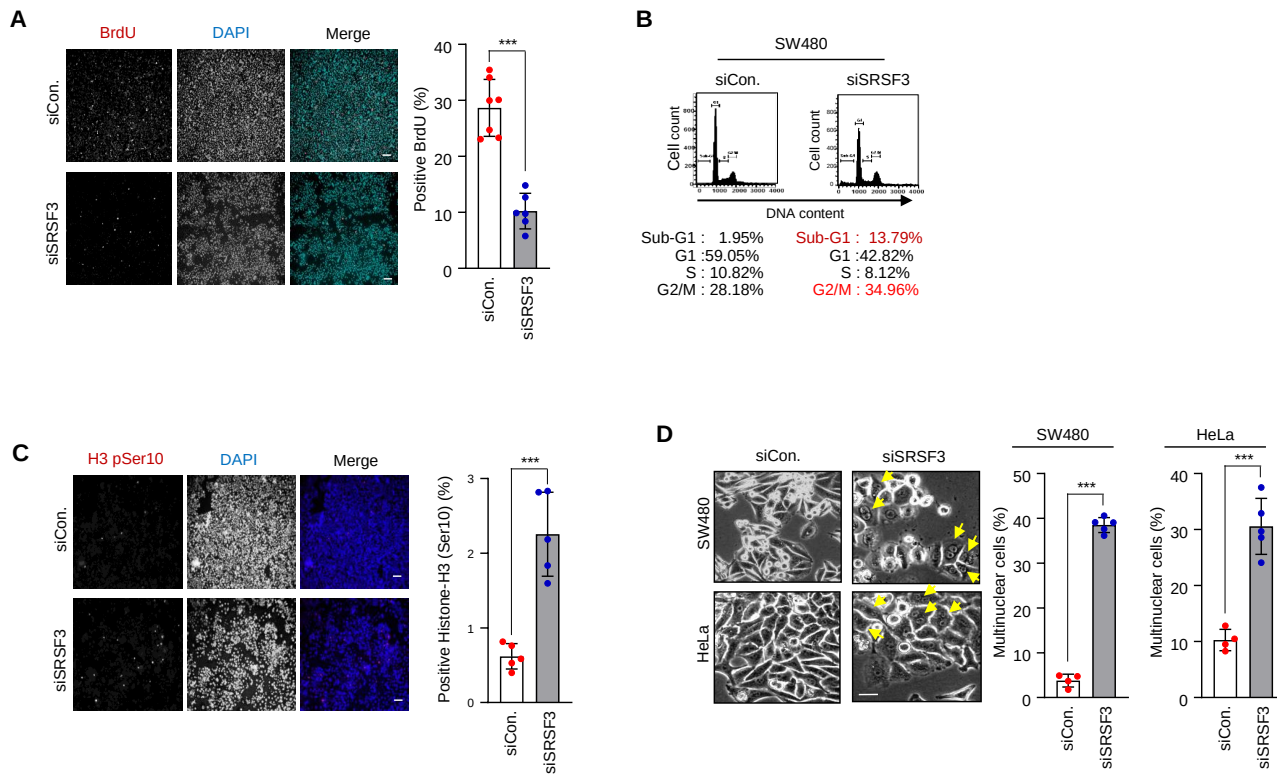




**Supplementary Fig. 1 Deficiency of SRSF3 causes a variety of cellular changes.** **A.** Immunofluorescent staining with anti-BrdU antibody of siControl or siSRSF3 SW480 cells. Nuclei were stained with DAPI (blue). Scale bars = 100  $\mu$ m. **B.** SW480 cells were transfected with siControl or siSRSF3 and subjected to cell cycle analysis by flow cytometry. **C.** Immunofluorescent staining with the anti- Histone-H3 (Ser10) antibody (red) of siControl or siSRSF3 SW480 cells. Nuclei were stained with DAPI (blue). Scale bars = 100  $\mu$ m. **D.** Silencing of SRSF3 cells were subjected to microscopy and multinuclear cell count. Scale bar = 40 $\mu$ m. Data are shown as mean  $\pm$  SD. ns, not significant; \*\*\*P < 0.001, two-tailed Student's t-test.