Fig. S2

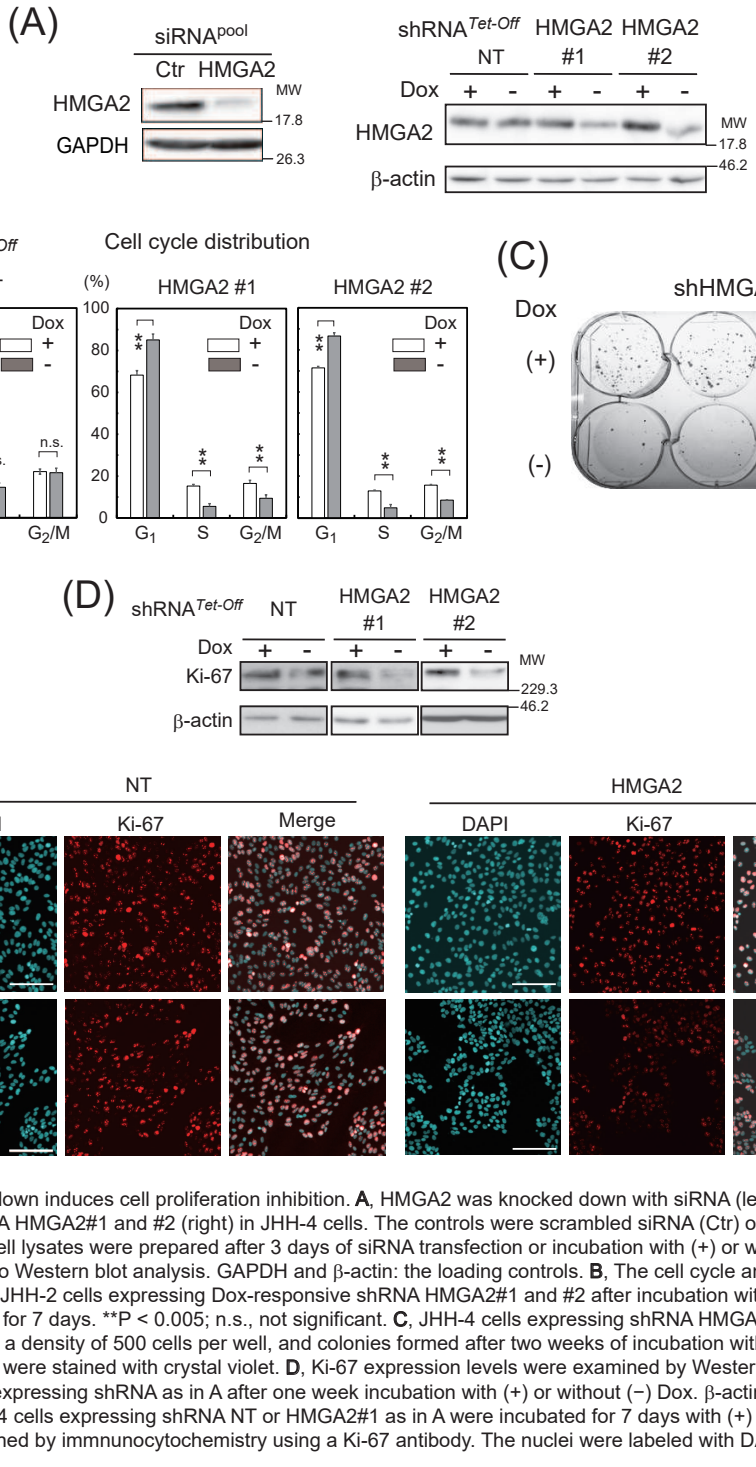

Figure S2.

HMGA2 knockdown induces cell proliferation inhibition. **A**, HMGA2 was knocked down with siRNA (left) or Dox-responsive shRNA HMGA2#1 and #2 (right) in JHH-4 cells. The controls were scrambled siRNA (Ctr) or non-target shRNA (NT). Cell lysates were prepared after 3 days of siRNA transfection or incubation with (+) or without (−) Dox and subjected to Western blot analysis. GAPDH and β-actin: the loading controls. **B**, The cell cycle analysis was performed with JHH-2 cells expressing Dox-responsive shRNA HMGA2#1 and #2 after incubation with (+) or without (−) Dox for 7 days. **P < 0.005; n.s., not significant. **C**, JHH-4 cells expressing shRNA HMGA2#1 as in A were seeded at a density of 500 cells per well, and colonies formed after two weeks of incubation with (+) or without (−) Dox were stained with crystal violet. **D**, Ki-67 expression levels were examined by Western blot analysis in JHH-4 cells expressing shRNA as in A after one week incubation with (+) or without (−) Dox. β-actin: the loading control. **E**, JHH4 cells expressing shRNA NT or HMGA2#1 as in A were incubated for 7 days with (+) or without (-) Dox and examined by immnunocytochemistry using a Ki-67 antibody. The nuclei were labeled with DAPI. Scale bar: 100 μm.