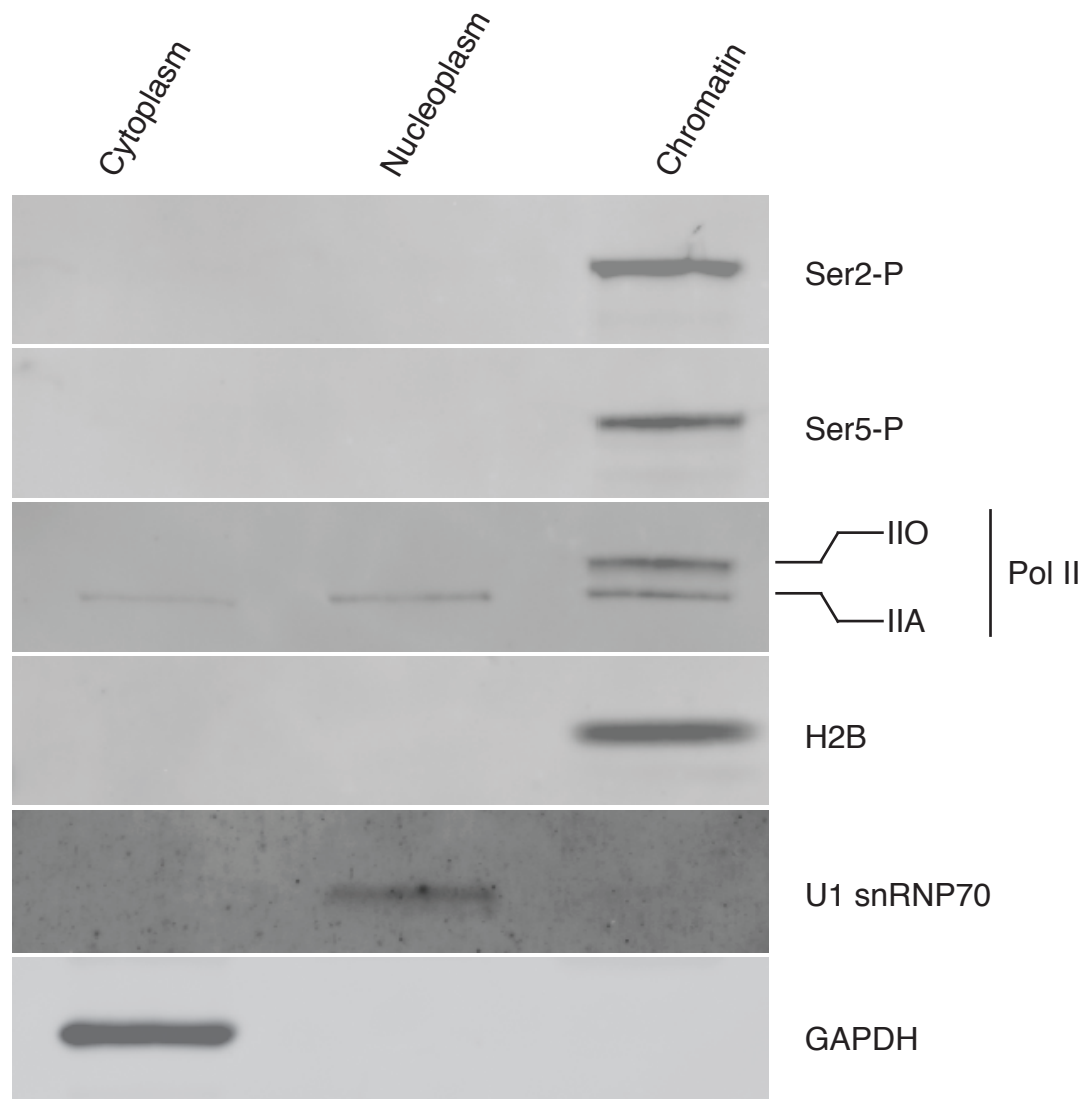


Supplementary Figure 12



Supplementary Fig. 12. Subcellular distribution of RNA polymerase II.

Western blot analysis shows the efficient separation of cell fractions and reveals that $\geq 99\%$ of elongating Pol II (C-terminal domain (CTD) Ser2- and Ser5-phosphorylated forms, and the general CTD hyper-phosphorylated form (IIO) of Pol II) is captured in the chromatin fraction. We also probed proteins with defined subcellular localization (Chromatin marker, Histone 2B; nucleoplasm marker, U1 snRNP70; cytoplasm marker, GAPDH). Data is from a representative Western blot experiment, using subcellular lysates generated from the same batch of CRL2097 cells. Sample volumes have been adjusted so that Western blot signals of the subcellular fractions can be compared. Further details are given in the Methods section.