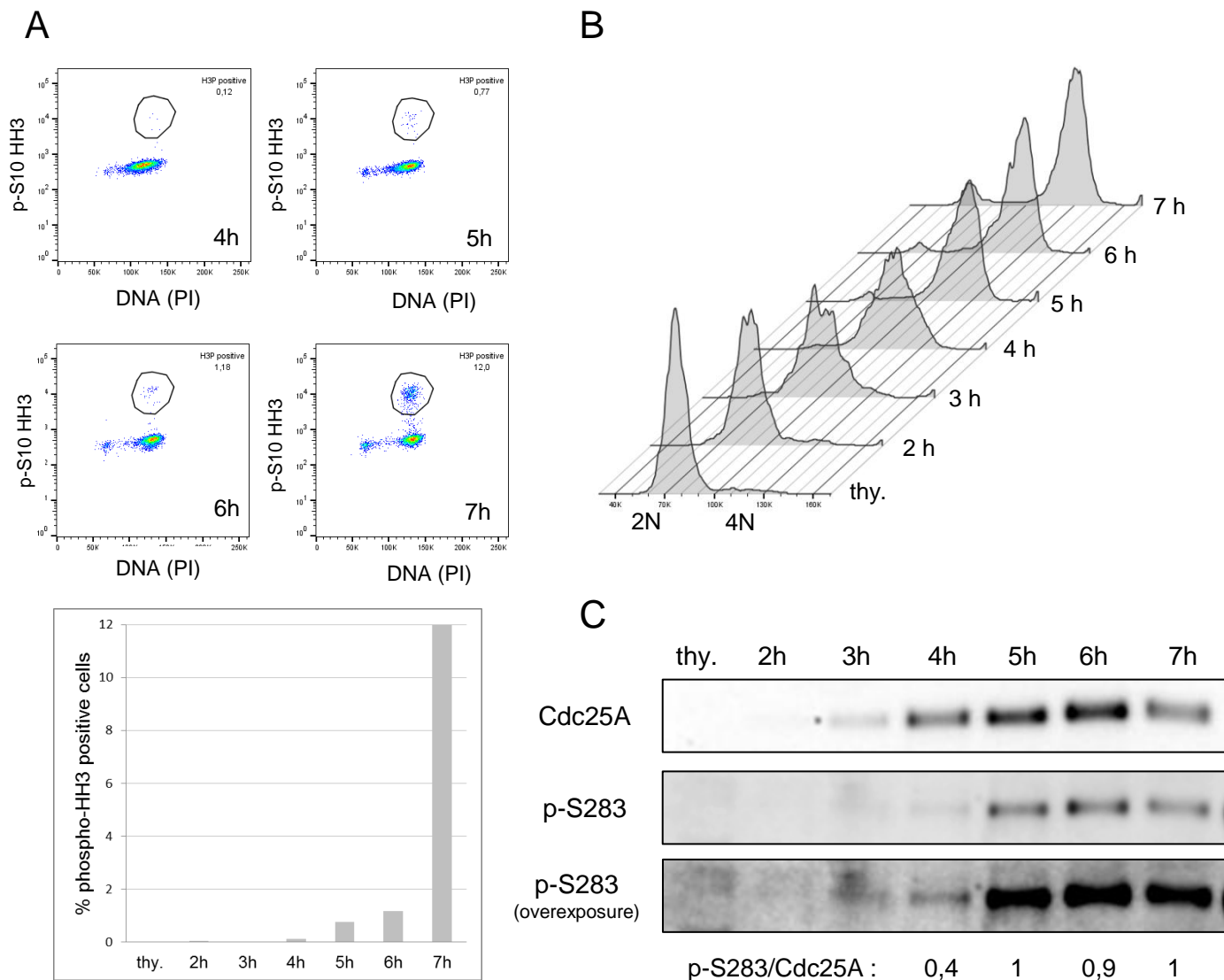


S1



Supplementary Figure S1. Phosphorylation at serine 283 occurs during late S and G2 phase of the cell cycle and is not increased upon entry into mitosis. H1299 cell pools inducibly expressing HA tagged wild type Cdc25A (see results for additional description of the cell lines) were synchronized in G1/S by thymidine block and then released from the block in presence of the inducer doxycycline. Cell cycle profiles and mitosis entry patterns of cells collected at different time points after release from the block were determined by flow cytometry analysis of DNA content (B) and phosphorylation of histone H3 at serine 10 (A), respectively. In parallel, HA-cdc25A was purified from the cells by immunoprecipitation using anti-HA antibodies and analyzed by western blot (C). For the 4 to 7h time points the ratios between luminescence signals obtained with the phospho-ser283 and Cdc25A antibodies are indicated (ratio at time 7h was arbitrarily set to 1).