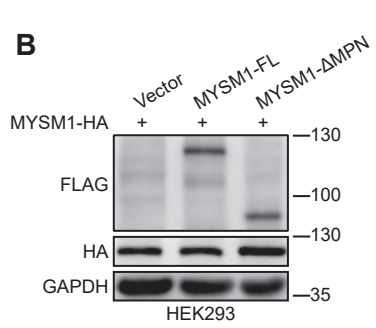
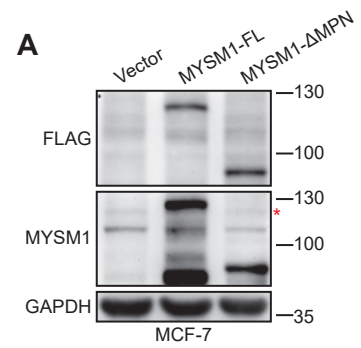


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Appendix Fig S1

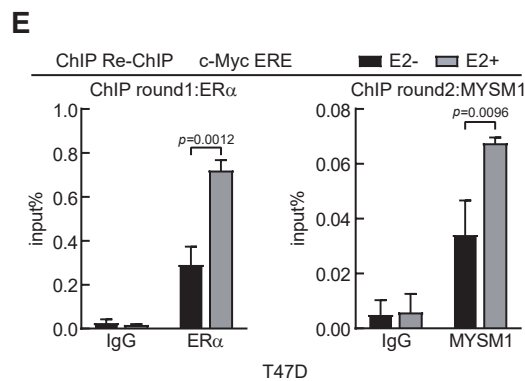
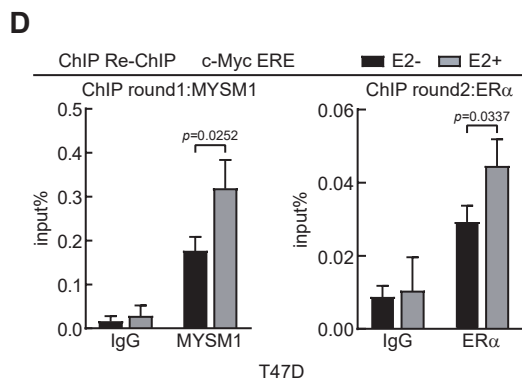
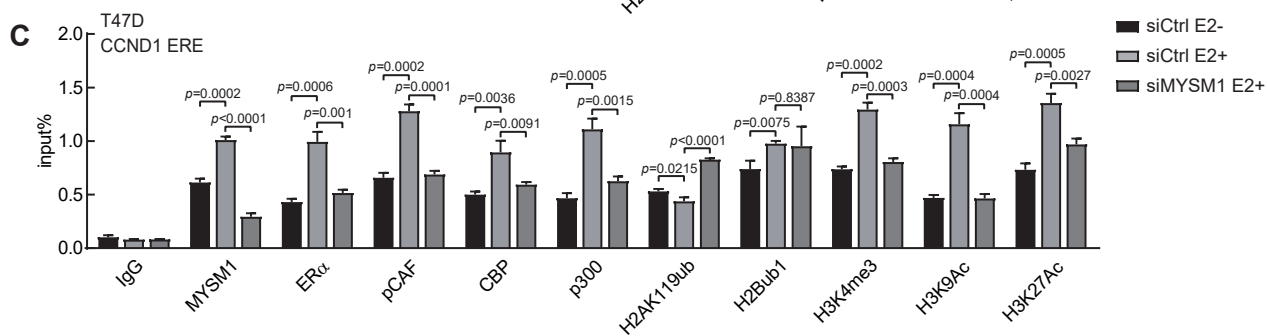
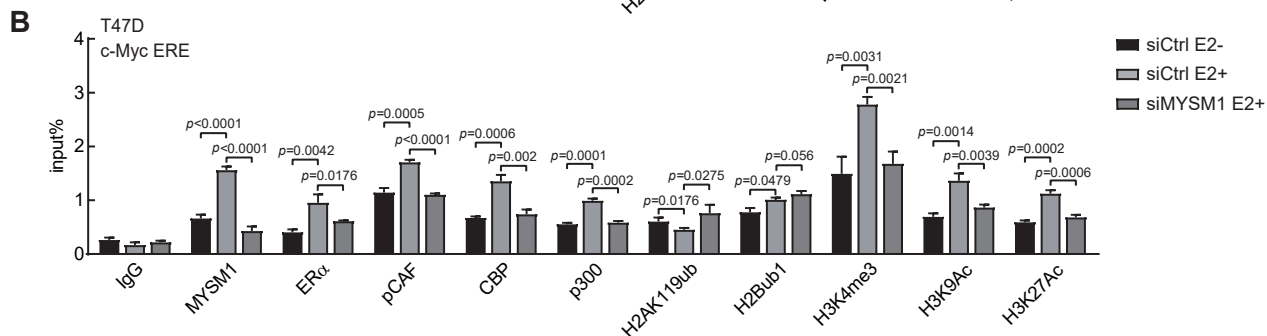
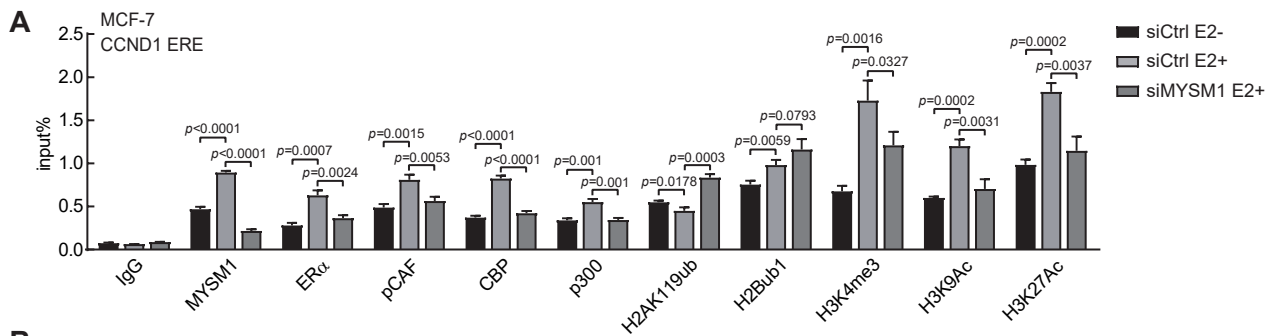


Appendix Figure S1. MYSM1 has no effect on its own protein expression

A. Western blot detecting endogenous MYSM1 expression in MCF-7 cells transfected with PcDNA3.1/MYSM1/MYSM1-ΔMPN expression plasmids.

B. Immunoblot of exogenous MYSM1 expression using the HA antibodies in PcDNA3.1/MYSM1/MYSM1-ΔMPN overexpressed HEK293 cells.

Appendix Fig S2



Appendix Figure S2. MYSM1 facilitates the recruitment of ER α and HAT complex at the *cis* elements of ER α target genes in MCF-7 cells

A. ChIP assays via designated antibodies to elaborate the influence of MYSM1 regarding to ER α recruitment and relative histone modifications on *CCND1* ERE in MCF-7 cells (mean \pm SD; Student *t*-test).

B, C. ChIP analysis was conducted with specific antibodies in MYSM1-deficiency T47D cells on the promoter region of *c-Myc* (B) or *CCND1* (C) with or without E2 (mean \pm SD; Student *t*-test).

D, E. ChIP re-ChIP assay was performed with the indicated antibodies in T47D cells (mean \pm SD; Student *t*-test).