Supplementary Figure S1

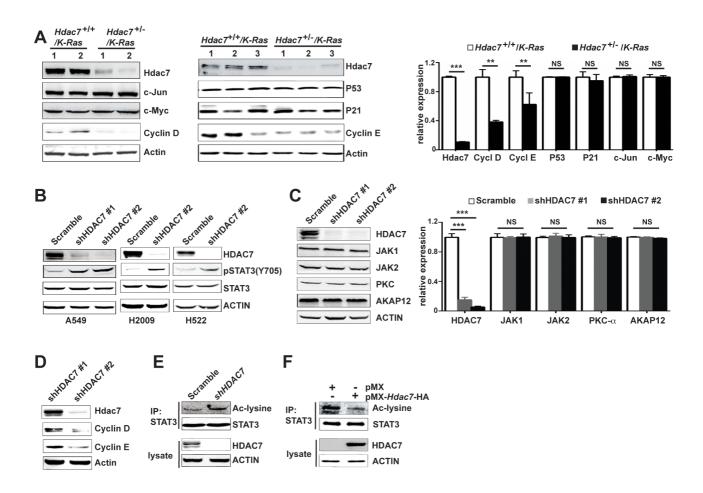


Figure S1. The effects of *Hdac7* on the expression and post-translational modifications of other signaling molecules

A. Western blot and quantitative analyses of c-Jun, c-Myc, P21, P53, Cyclin D and Cyclin E proteins in lung tumors from the *Hdac7*^{+/-}; *K-Ras* and control mice. B. Western blot and quantitative analyses of JAK1, JAK2, PKC-a and AKAP12 proteins in H1299 human lung cancer cells expressing shHDAC7. C. Western blot analysis of STAT3 phosphorylation in human lung cancer cells, A549, H2009 and H522 expressing shHDAC7. D. Representative immunoblot analysis of Cyclin D and Cyclin E in *HDAC7* silencing H1299 cells. E and F. IP-Western blot analysis of STAT3 acetylation in A549 lung cancer cells expressing shHDAC7 (E) or exogenous *Hdac7* with indicated antibodies (F). Ac-lysine: a pan anti-acetyl-Lysine antibodies. Images are representatives of three experiments. Values in A and B represent the means ± S.E of three experiments. **, p<0.01 ***, p<0.001; ns, not significant.