

Supporting Information

Deacetylation of α -tubulin and cortactin is required for HDAC6 to trigger ciliary disassembly

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Figure S1. Knockdown of HDAC6 expression does not affect the expression or localization of ciliary regulators. (A) Western blot analysis of the indicated ciliary regulators, acetylated α -tubulin, α -tubulin, and HDAC6 in RPE1 cells transfected with control or HDAC6 siRNAs. (B) Immunofluorescence images of RPE1 cells transfected with control or HDAC6 siRNAs, serum-starved for 24 hours, and stained with antibodies against the indicated ciliary regulators and acetylated α -tubulin and DAPI. Scale bar, 5 μ m.

Figure S2. Overexpression of α -tubulin decreases the percentage of ciliated cells and ciliary length. (A) Immunofluorescence images of RPE1 cells transfected with the indicated plasmids, serum-starved for 24 hours, and stained with acetylated α -tubulin antibody and DAPI. Scale bar, 5 μ m. (B and C) Experiments were performed as in A, and the percentage of ciliated cells (B) and ciliary length (C) were quantified. *** $P < 0.001$; ns, not significant. Error bars indicate SEM.

Figure S1

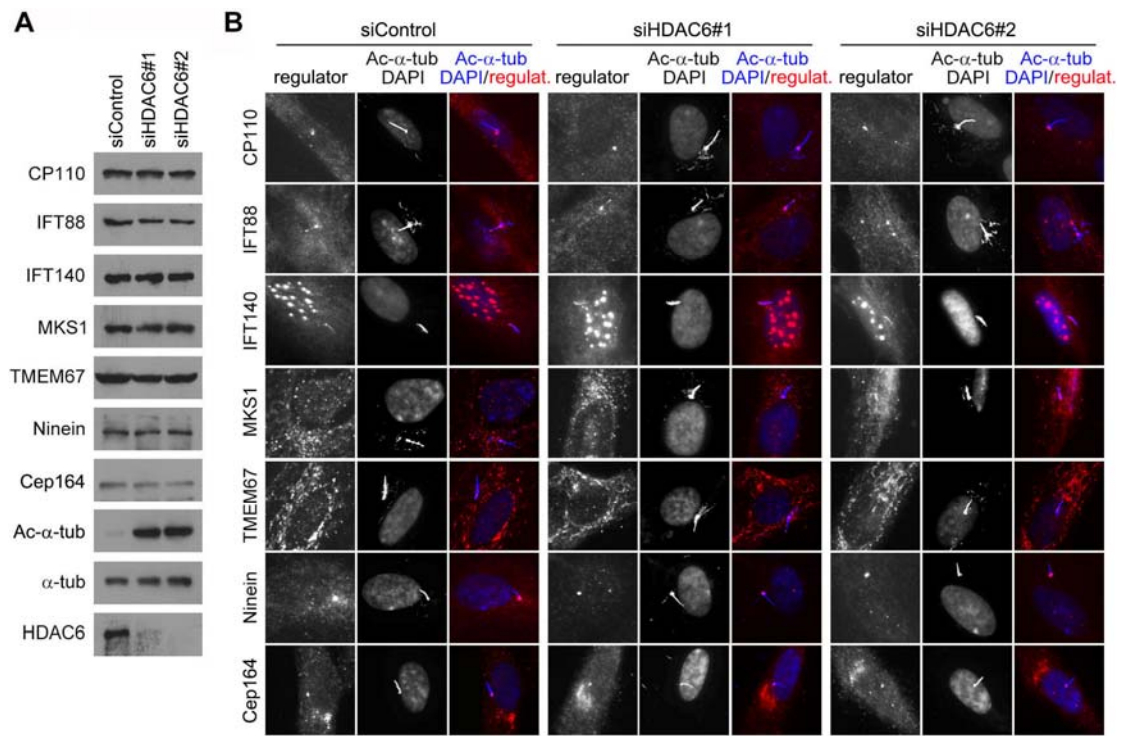


Figure S2

