Supplemental Materials

Molecular Biology of the Cell

Bernardi et al.

A deubiquitinase negatively regulates retro-translocation of non-ubiquitinated substrates

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Supplementary Figure Legend

Figure S1. Atx3 and USP14 knockdown do not significantly affect CTA1 retro-translocation. (A) As in 2A, except cells were transfected with Atx3 #1 or #2 siRNA. (B) As in 2C, except cells were transfected with Atx3 #1 or #2 siRNA. (C) The supernatant CTA1 band intensity in B was analyzed as in 2D. Mean of at least three independent experiments. A two-tailed t test was used. Error bars, +/- SD. (D) As in A, except cells were transfected with an USP14 siRNA. (E) As in B, except cells were transfected with an USP14 siRNA. (F) The supernatant CTA1 band intensity in E was analyzed as in 2D. Mean of at least three independent experiments. A two-tailed t test was used. Error bars, +/- SD.

Figure S2. YOD1 knockdown does not induce cholera toxin polyubiquitination. As in 4A, except His-Ub was used.

Figure S1. Atx3 and USP14 knockdown do not significantly affect CTA1 retro-translocation

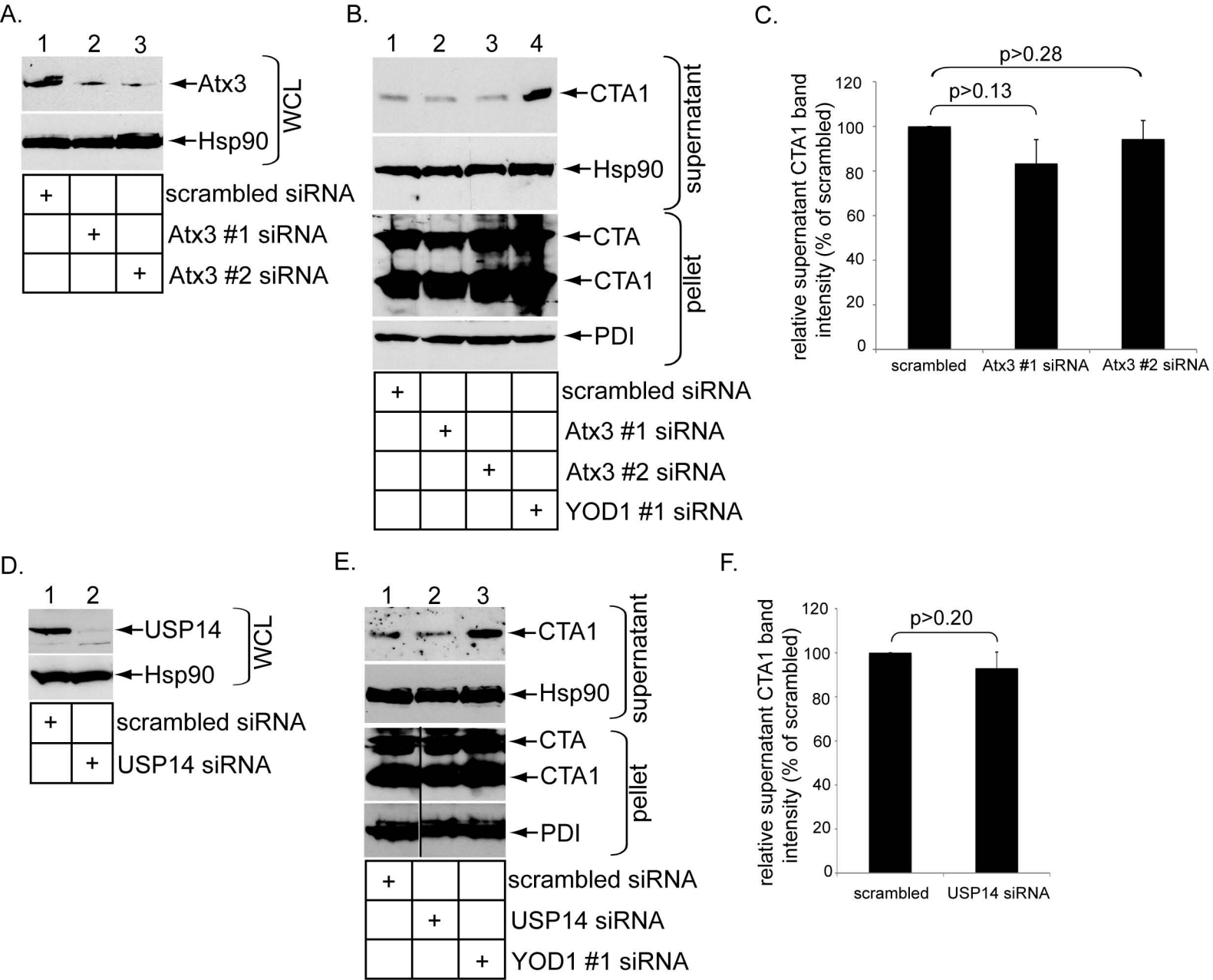

Figure S2. YOD1 knockdown does not promote cholera toxin polyubiquitination