

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Time-lapse imaging of Venus-ANAPC4 cells expressing the mAID-nanobody treated with 0.5 mM auxin at $t = 0$ to induce degradation. The DNA was stained by SiR-Hoechst. Scale bar: 25 μm .

File Name: Supplementary Movie 2

Description: Comparative degradation of Venus-ANAPC4 and mAID-Venus-ANAPC4 by mAID-nanobody, deGradFP, and the classical auxin systems monitored by time-lapse imaging. Degradation was initiated at $t = 0$ min, either by the addition of auxin to Venus-ANAPC4 + mAID-vhhGFP and mAID-Venus-ANAPC4 cells or by adding tetracycline to induce the expression of deGradFP.

Scale bar: 50 μm .

File Name: Supplementary Movie 3

Description: mAID-Venus-ANAPC4 is targeted for degradation by the mAID-nanobody. Time-lapse imaging of mAID-Venus-ANAPC4 cells. The degradation mAID-Venus-ANAPC4, which cannot be targeted for degradation by the classical auxin system, is rescued by transient transfection of the mAID-nanobody. 0.5 mM auxin was added at $t = 0$ min. Scale bar: 50 μm .