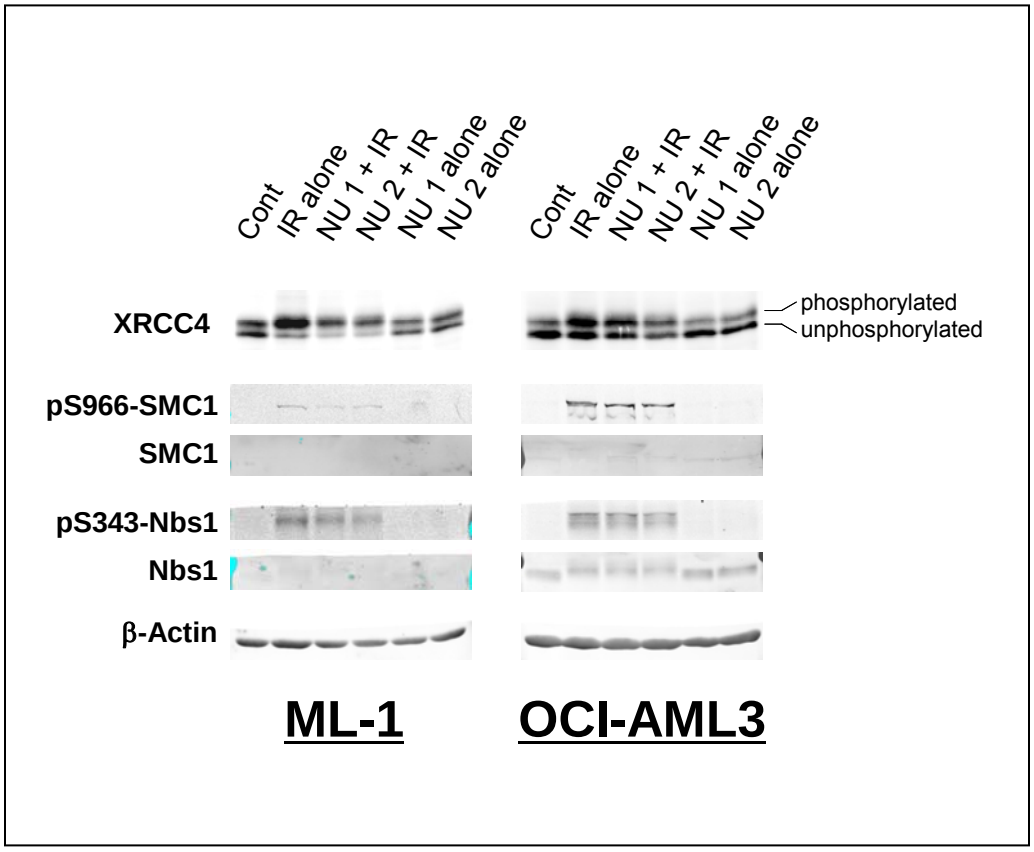
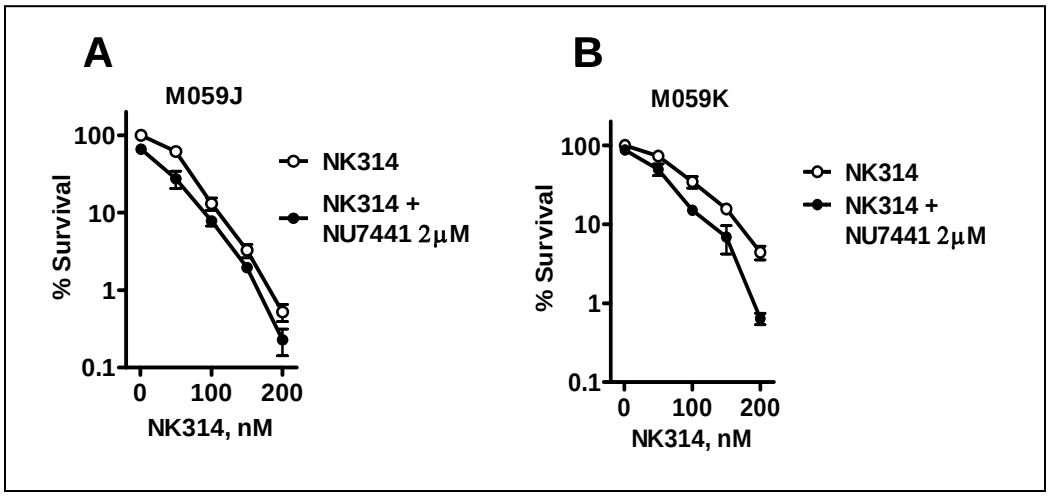
Supplemental Figure S1. Specificity of the DNA-PKcs inhibitor NU7441. ML-1 and OCI-AML3 cells were pretreated with NU7441 (1 μM and 2 μM, respectively) for 1.5 hours before γ-irradiation (100 Gy). Cells were harvested 1 hour post irradiation and cell lysates were subjected to isolation by SDS-PAGE, followed by transferring on to nitrocellulose membranes. Proteins were detected by immunoblotting with indicated antibodies.



Supplemental Figure S2. DNA-PKcs is the specific target of NU7441. M059J (A) and M059K (B) cells were treated with 0-200 nM NK314 in the absence or presence of 2 μM NU7441 for 24 hours. Colonies were counted after 8 days. Each data point represents the mean ± SEM of triplicate samples.



Supplemental Figure S3. Specificity of the ATM inhibitor KU55933. HCT116 and OCI-AML3 cells were pretreated with KU55933 (10 μM) for 1 hour before incubation with (A) NK314 (50 nM and 100 nM, respectively) or (B) γ-irradiation (10 Gy). Cells were harvested 24 hours after addition of NK314 or 1 hour post irradiation. Cells lysates were subjected to isolation by SDS-PAGE, followed by transferring on to nitrocellulose membranes. Target proteins were detected by immunoblotting with indicated antibodies.