

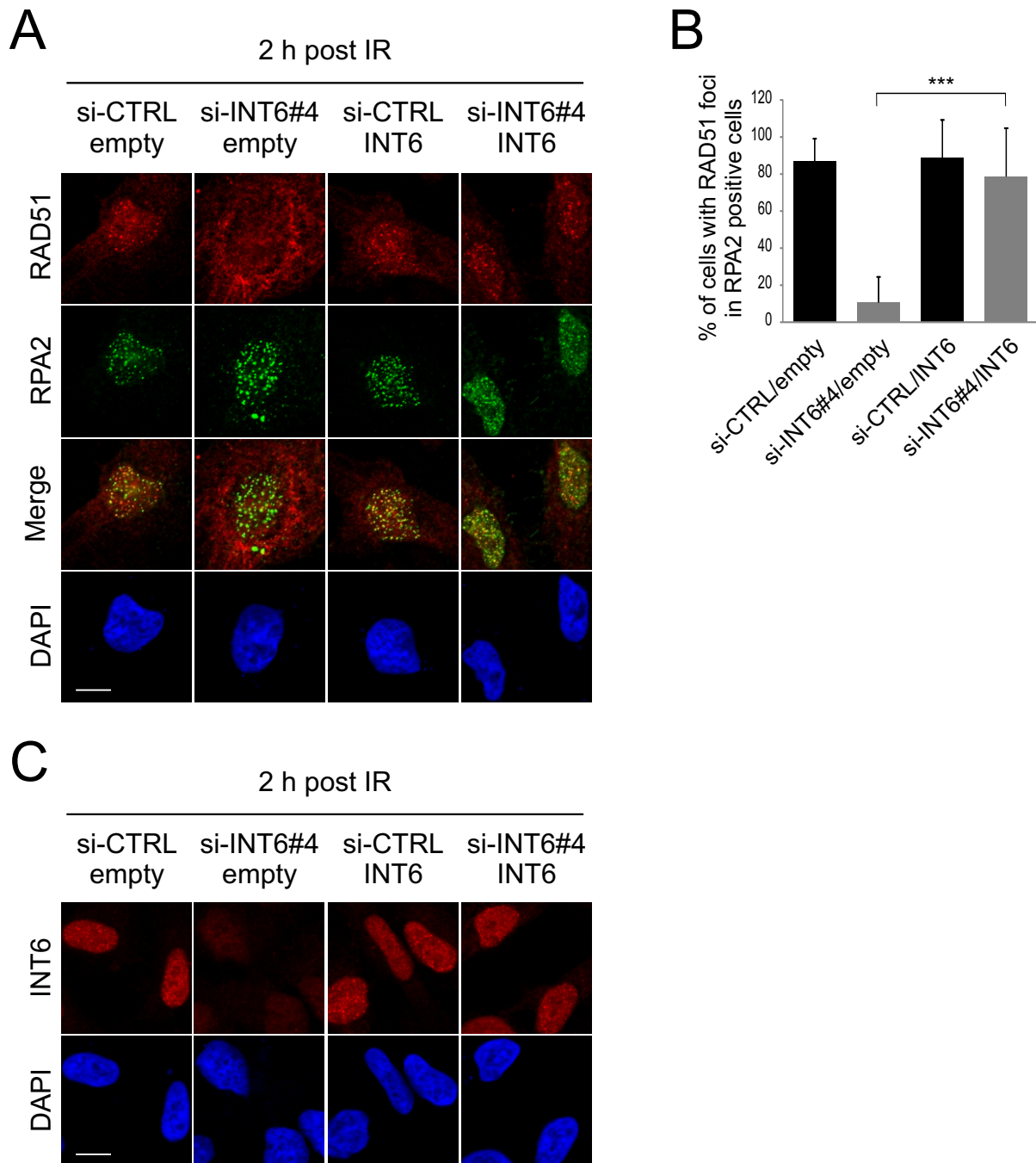


Figure S4. Rescue of RAD51 foci formation following transfection of a siRNA-resistant INT6 expression vector. A, HeLa cells were transfected with siRNAs control or targeting INT6 (si-INT6#4) and 24 hours later cells were transfected again with the siRNAs together with an empty vector or an INT6 expression vector lacking the sequence targeted by the INT6#4 siRNA, which is located in the 3'untranslated part of the INT6 mRNA. After 48 hours, cells were exposed to 6 Gy of irradiation and immunostained 2 hours post-IR with antibodies to RAD51 and RPA2. DNA was stained with DAPI. Representative confocal images are shown. The merged red and green channels show colocalization in yellow. Scale bar, 10 μ M. B, Quantification of experiment in A. Results are expressed as the percentage of cells displaying RAD51 foci out of RPA2-positive cells. Statistical significance was determined by two-tailed t test (***, $P < 0.001$). C, Silencing of endogenous INT6 and transient re-expression of INT6 was verified by immunostaining with an antibody to INT6 and nuclei were counterstained with DAPI. Scale bar, 10 μ M.