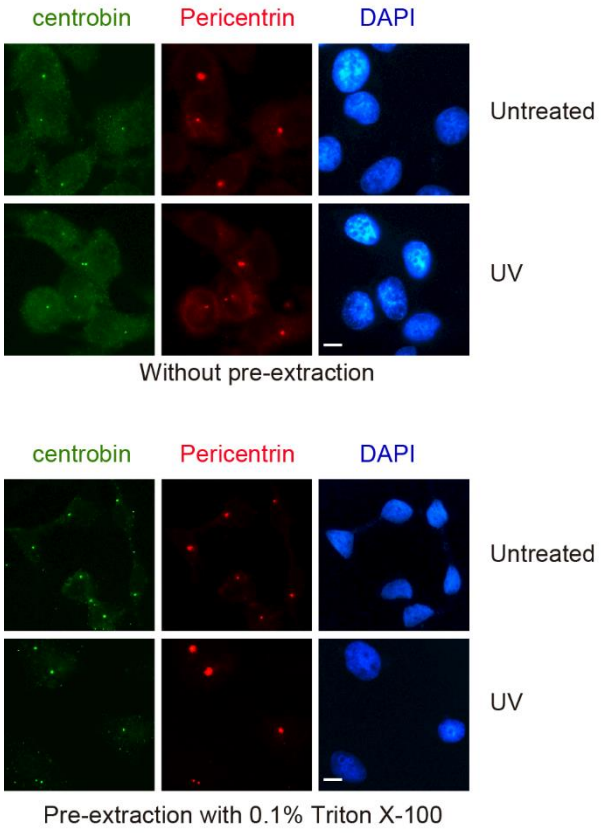
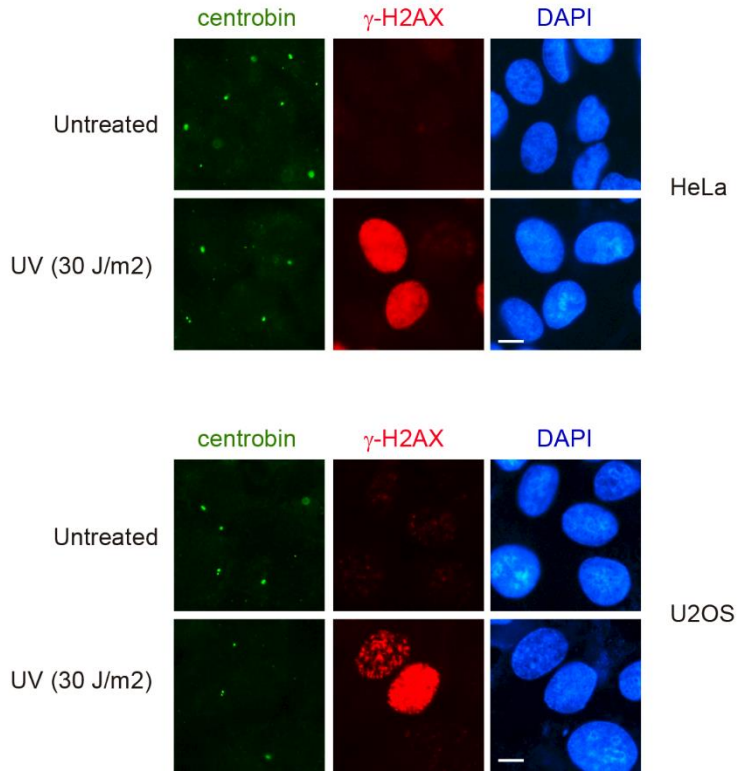
Supplementary Material



Supplementary Figure S1

Immunofluorescence of centrobin (green) and pericentrin (red) in HeLa cells

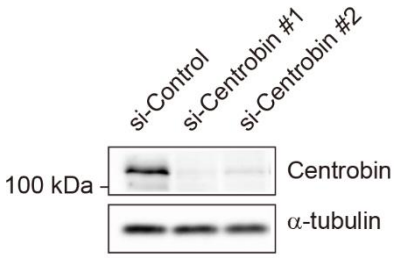
HeLa cells were either left untreated or treated with UV (30 J/m^2, 6 hr). Before methanol fixation, cells were either left untreated (upper panels) or pre-extracted with 0.1% Triton X-100 in PBS for 2 min to remove soluble nuclear proteins (lower panels). Representative images of HeLa cells stained for centrobin (green), pericentrin (centrosome marker, red), and DNA (blue). Scale bars, 10 μm



Supplementary Figure S2

Immunofluorescence of centrobin (green) and γ-H_2AX (red) following UV radiation

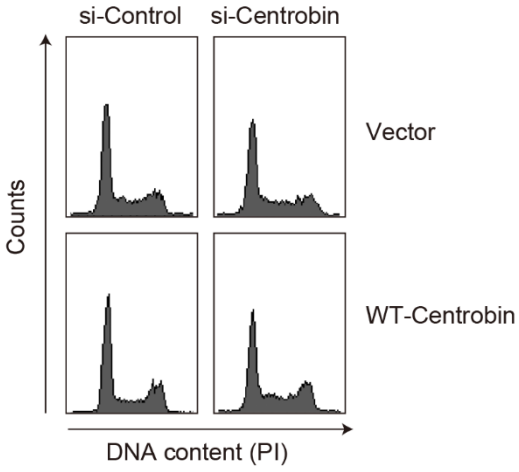
HeLa cells and U2OS cells were either left untreated or treated with UV (30 J/m^2, 6 hr). After pre-extraction and fixation, cells were stained with indicated antibodies. Representative images of HeLa (upper panels) and U2OS cells (lower panels) stained for centrobin (green), γ-H_2AX (red), and DNA (blue). Scale bars, 10 μm.



Supplementary Figure S3

Depletion of centrobin in HeLa cells

HeLa cells were transfected with either control siRNA or centrobin-specific siRNAs. 72 hr after transfection, whole-cell lysates were prepared and immunoblotted using indicated antibodies.



Supplementary Figure S4

Cell-cycle distribution in centrobin-depleted DR-GFP U2OS cells

DR-GFP U2OS cells stably expressing either empty vector or siRNA-resistant centrobin were transfected with the indicated siRNAs. The cells were grown for 3 days after transfection and were processed for cell cycle analysis using propidium iodide (PI) DNA staining.