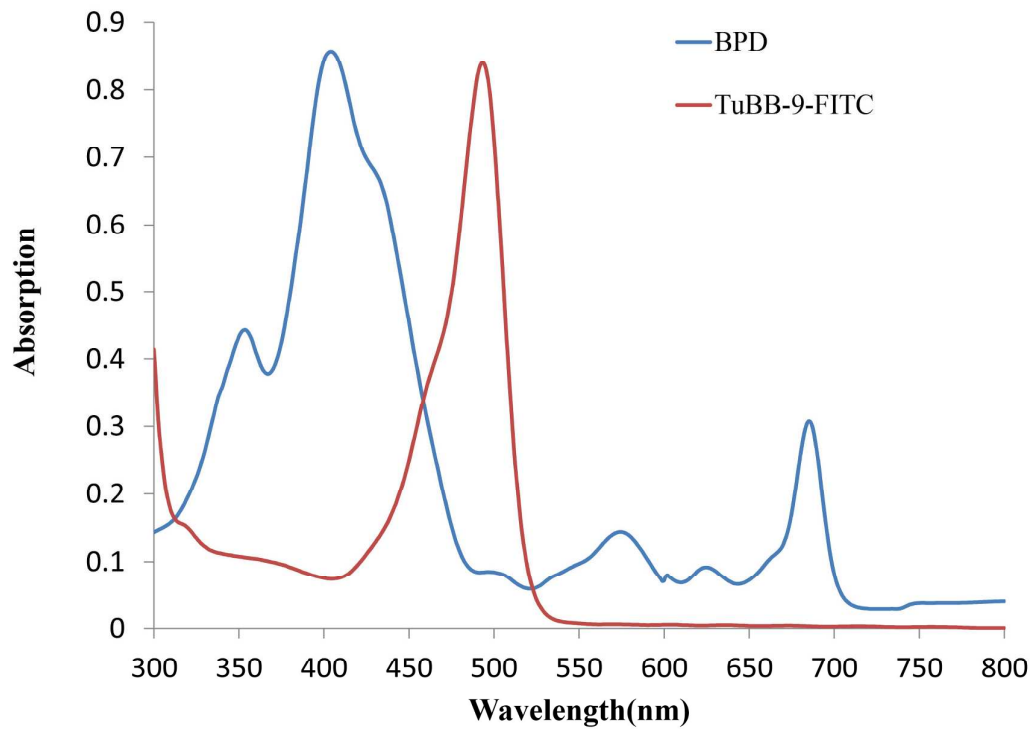


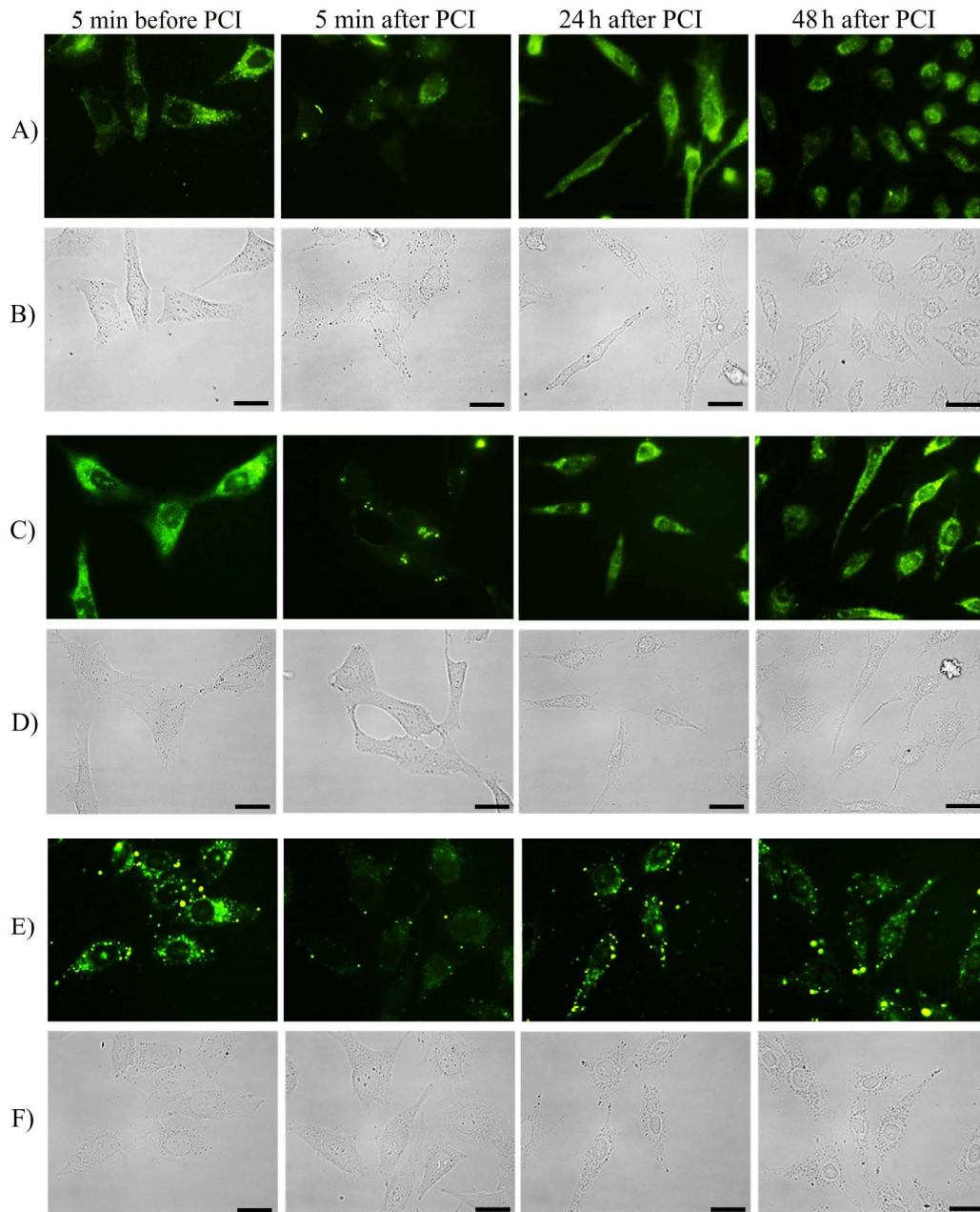
Supplementary figure S1

In contrast to immunostaining of fixed Ovar-3 cells (very left panel) no nucleolar localization could be observed, when the cells were incubated for 24 h with L-TuBB-9-FITC and NLS-TuBB-9-FITC. Fibroblast cells (very right panel) also shows no nucleolar localization treated with L-TuBB-9-FITC. Size bars: 10 μ m.



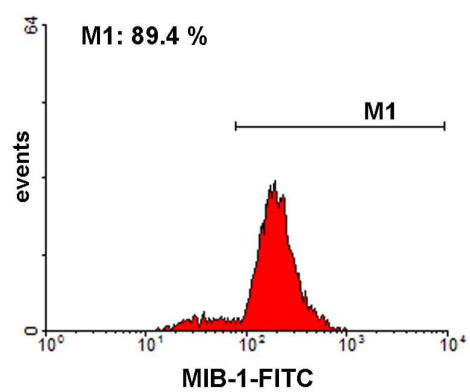
Supplementary figure S2

Absorption spectra of TuBB-9-FITC and BPD.



Supplementary figure S3

24 and 48 h after irradiation at 690 nm nucleolar localization of TuBB-9-FITC can be observed after incubation with all three constructs. HeLa cells were incubated with TuBB-9-FITC constructs 4 h before irradiation. (a) and (b) show L-TuBB-9-FITC, (c) and (d) show NLS-TuBB-9-FITC, (e) and (f) show Pep-1-TuBB-9-FITC. Before PCI means 5min before PCI irradiation after cells incubated 22h with BPD and 4h with TuBB-9-FITC constructs. Size bars: 30 μ m.



Supplementary figure S4

Flow cytometric determination of Ki-67 status in HeLa cells shows that 89.4 % of the cells are positive for Ki-67. As monolayer cultivated HeLa cells were trypsinated and stained with the Ki-67 antibody MIB-1-FITC.