Synergistic ototoxicity of gentamicin and low-dose irradiation: molecular basis and clinical significance

Supplementary data

Fig S1. Gentamicin treatment reduced cell viability at 72h post-treatment in OC-k3 mouse cochlear cell line as determined by MTS assay. OC-k3 cells were treated with different doses of gentamicin and monitored for cell viability using MTS assay at 72h post-treatment. Data was combined from two independent experiments by setting the mean value of OD reading at 490nm as 100% cell viability for cells with no treatment (0 mg/ml gentamicin). Data was expressed as means ± S.E.M.
Fig S2. Combined treatment of gentamicin and low-dose irradiation for 72 h resulted in reduction of cell numbers as determined by phase contrast images. OC-k3 cells were subjected to no treatment (NT), 6 mg/ml gentamicin (G), 5 Gy radiation (R) or both (G+R).
Fig S3. Full scans of the immunoblots presented in the paper. The red rectangles indicate the cropped images presented in the paper.

(A) Full scan immunoblots in Fig 5A
(B) Full scan immunoblots in upper panel of Fig 6A

(C) Full scan immunoblots in lower panel of Fig 6A