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Induction of mitophagy in the HEI-OC1 auditory cell line and activation of the Atg12/LC3 pathway in the organ of Corti

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Research Highlights

- Genes encoding for PINK1 and parkin are expressed in all of the cochlear compartments of 5-day-old C57BL/6 mice.
- The induction of mitophagy can be suggested in the auditory cell line HEI-OC1 after CCCP exposure, but not after gentamicin.
- Gentamicin had no impact in the activation of mitophagy—neither in the HEI-OC1 cell line nor in the OC, which makes us speculate that mitophagic-independent mechanisms may underly aminoglycoside ototoxicity.

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