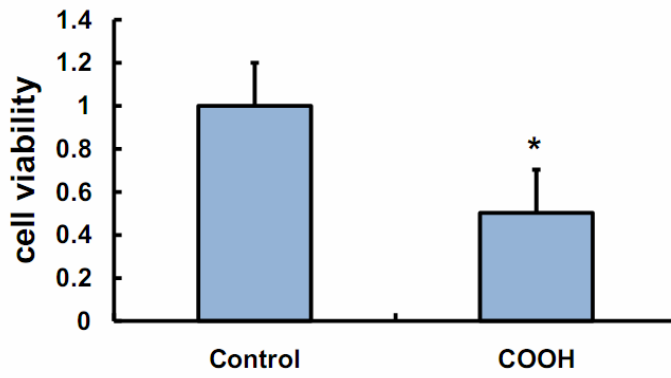
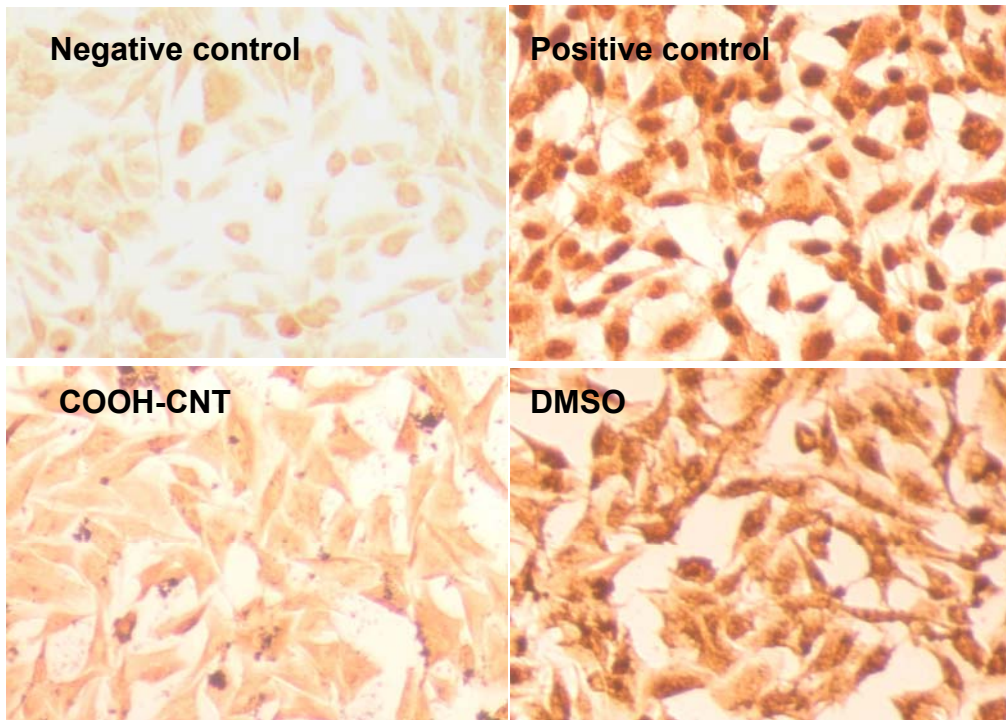


S1

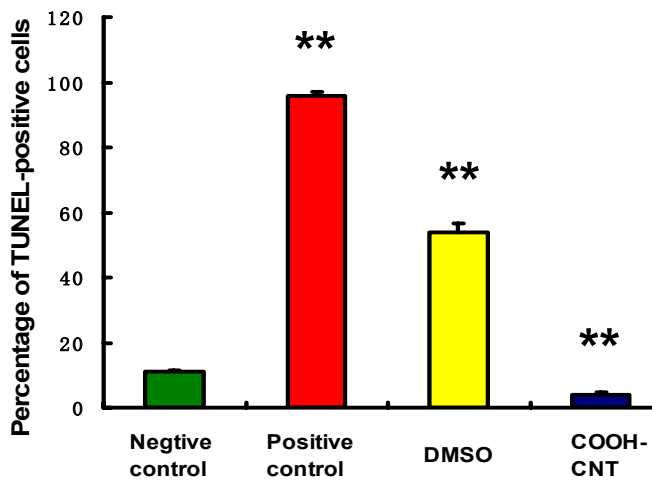
A



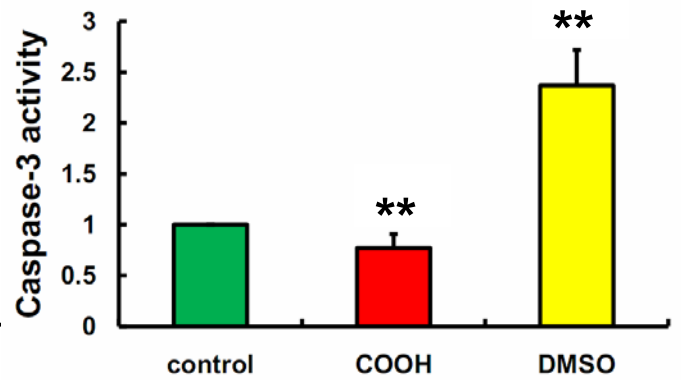
B



C



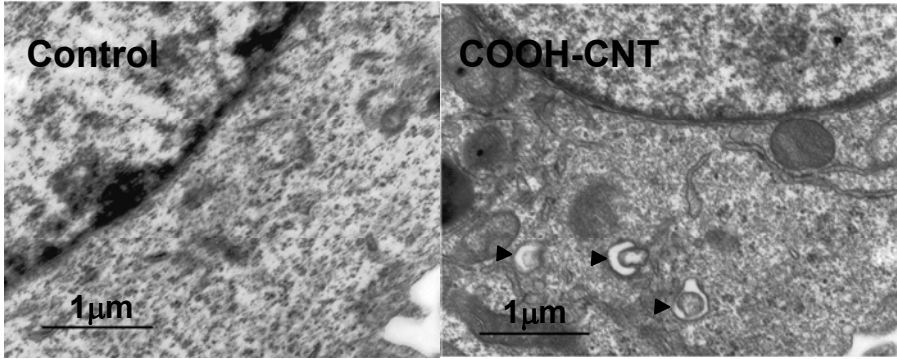
D



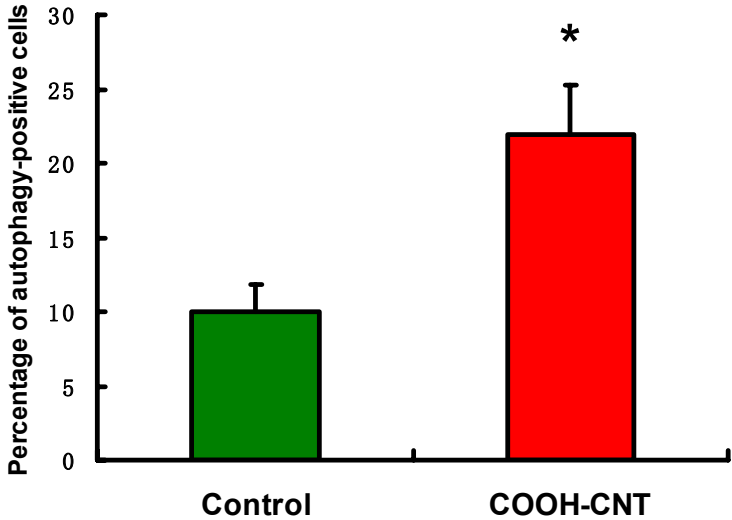
S1 COOH-CNT induces NCI-H1975 cell death, but not through apoptosis. (A) Cell viability of NCI-H1975 cells after control, COOH-CNT treatment. (B) Representative TUNEL images of NCI-H1975 cells after negative control, positive control, DMSO, COOH-CNT treatment. (C) Percentage of TUNEL-positive cells after negative control, positive control, DMSO, COOH-CNT treatment. (D) Caspase-3 activity in 1975 cells after control, COOH-CNT and DMSO treatment. * $P < 0.05$, ** $P < 0.01$ versus control.

S2

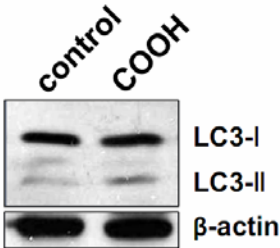
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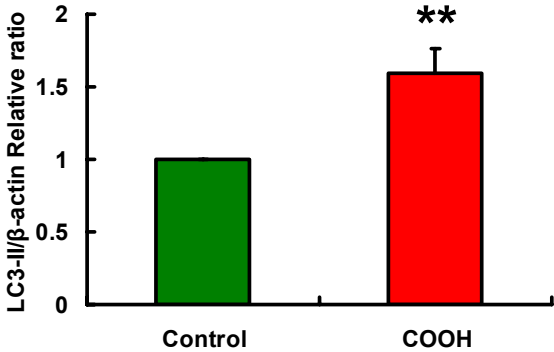
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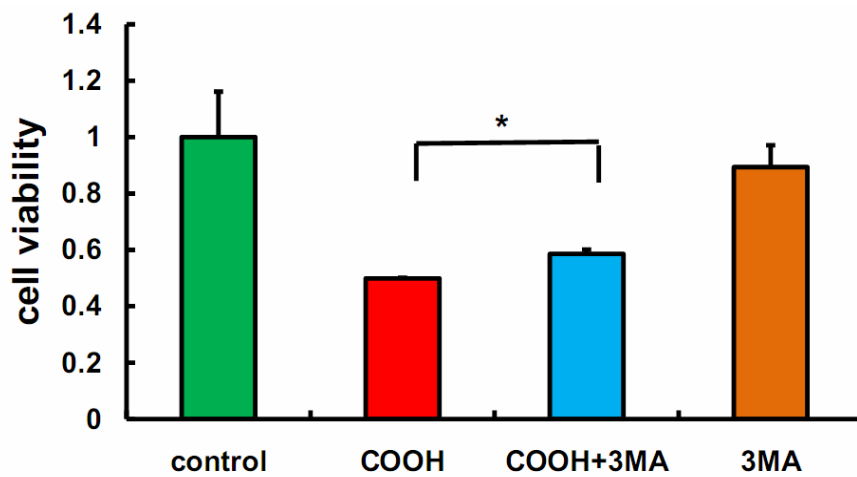
C



D



F



S2 COOH-CNT induces autophagic cell death in NCI-H1975 cells.(A) Electronic microscopy images of NCI-H1975 cells after control, COOH-CNT treatment for 24h. (B) Percentage of autophagy-positive cells after control, COOH-CNT treatment. (C) LC3 western blotting of NCI-H1975 cells after control, COOH-CNT treatment. (D) Relative ratio of LC3-II/ β -actin in control, COOH-CNT treated NCI-H1975 cells. (E) Cell viability of NCI-H1975 cells after control, COOH-CNT, 3-MA plus COOH-CNT and 3-MA treatment. * $P < 0.05$, ** $P < 0.01$.