Title	Diethyl phthalate enhances expression of SIRT1 and DNMT3a during apoptosis in PC12 cells
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Figure legends

Figure 1. Agarose gel electrophoresis of DNA extracted from PC12 cells. (A) Cells cultured in serum-enriched medium for 3 days after treatment with 0 to 1,000 ng/ml DEP. (B) cells cultured in serum-free medium for 3 days after treatment with 0 to 1,000 ng/ml DEP.

Figure 2. mRNA expression of epigenetic factors by real-time RT-PCR for (A) DNMT1, (B) DNMT3a, (C) DNMT3b, (D) SIRT1, (E) SIRT2 and (F) p53 in PC12 cell cultured in the serum-enriched medium and serum-free medium without DEP. Each column shows mean $\pm$ SEM (n $\geq$ 3-4). Asterisks denote significantly different values (*: P<0.05, **: P<0.01) from cells incubated with serum-free medium without DEP.

Figure 3. mRNA expression of epigenetic factors by real-time RT-PCR n for (A) DNMT1 in PC12 cell cultured in the serum-enriched medium with 0 to 1,000 ng/ml DEP, (B) DNMT3a in PC12 cell cultured in the serum-enriched medium with 0 to 1,000 ng/ml DEP, (C) DNMT1 in PC12 cell cultured in the serum-free medium with 0 to 1,000 ng/ml DEP, (D) DNMT3a in PC12 cell cultured in the serum-free medium with 0 to 1,000 ng/ml DEP. Error bars indicate SEM (n $\geq$ 6). Asterisk means P<0.05 against control.

Figure 4. mRNA expression of epigenetic factors by real-time RT-PCR for (A) SIRT1 in PC12 cell cultured in the serum-enriched medium with 0 to 1,000 ng/ml DEP, (B) SIRT2 in PC12 cell cultured in the serum-enriched medium with 0 to 1,000 ng/ml DEP, (C) SIRT1 in PC12 cell cultured in the serum-free

medium with 0 to 1,000 ng/ml DEP, (D) SIRT2 in PC12 cell cultured in the serum-free medium with 0 to 1,000 ng/ml DEP. Error bars indicate SEM ($n \geq 6$). Asterisk means $P < 0.05$ against control.

Figure 5. mRNA expression of DNMT3b (A), and p53 (B) by real-time RT-PCR in PC12 cell cultured in the serum-free medium with 0 to 1,000 ng/ml DEP. Error bars indicate SEM ($n \geq 3$). Asterisk * and ** mean $P < 0.05$ and $P < 0.01$ against control, respectively.

Figure 6. Scheme of DNMT3a, DNMT3b, SIRT1 and serum-deprived apoptosis hypothetical relationships in PC12 cells with DEP treatment.