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Reproduction, Fertility and Development

Supplementary Material

Persistent organic pollutants affect steroidogenic and apoptotic activities in granulosa cells and reactive oxygen species concentrations in oocytes in the mouse

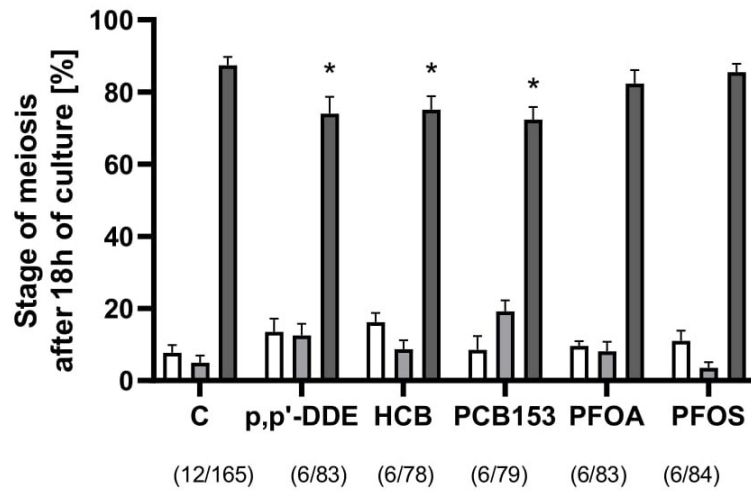
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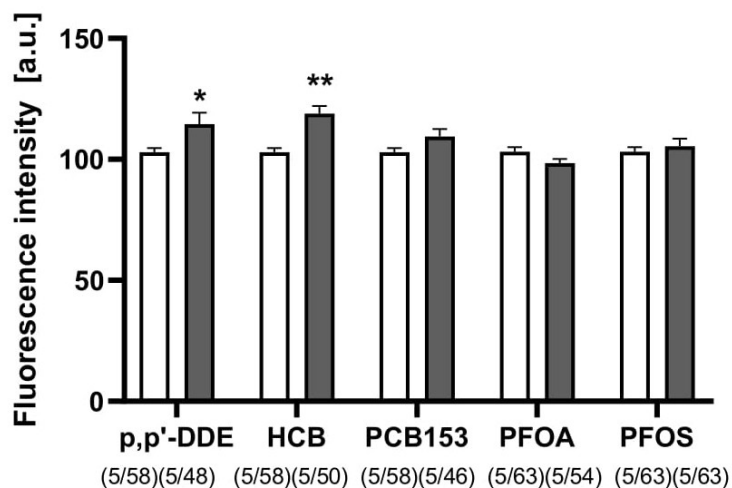
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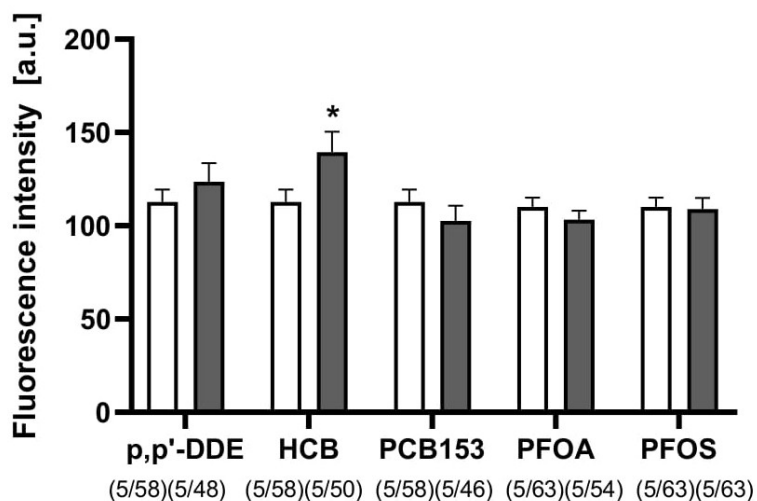
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Supplementary Figure S1 Meiotic maturation of oocytes cultured in the presence or absence of individual test compounds (1 ng/ml p,p'-DDE, 50 pg/ml HCB, 100 pg/ml PCB153, 2 ng/ml PFOA, and 8 ng/ml PFOS). Stage of meiosis after 18 h of culture. White bars, GV oocytes; grey bars, GVBD oocytes; black bars, MII oocytes (fully mature). Data are mean \pm SEM. The numbers of independent experiments and oocytes analysed are shown in parentheses (No. of experiments/No. of oocytes). * $P < 0.02$, t-test.



Supplementary Figure S2 Mitochondrial activity in oocytes that matured *in vitro* in the presence of individual test compounds (1 ng/ml p,p'-DDE, 50 pg/ml HCB, 100 pg/ml PCB153, 2 ng/ml PFOA, and 8 ng/ml PFOS). White bars, control; grey bars, test compound. Data are mean \pm SEM. The numbers of independent experiments and oocytes analysed are shown in parentheses (No. of experiments/No. of oocytes). * $P < 0.05$ and ** $P < 0.01$; t-test.



Supplementary Figure S3 ROS concentration in oocytes that matured *in vitro* in the presence of individual test compounds (1 ng/ml p,p'-DDE, 50 pg/ml HCB, 100 pg/ml PCB153, 2 ng/ml PFOA, and 8 ng/ml PFOS). White bars, control; grey bars, test compound. Data are mean \pm SEM. The numbers of independent experiments and oocytes analysed are shown in parentheses (No. of experiments/No. of oocytes). * $P < 0.05$ and ** $P < 0.01$; t-test.