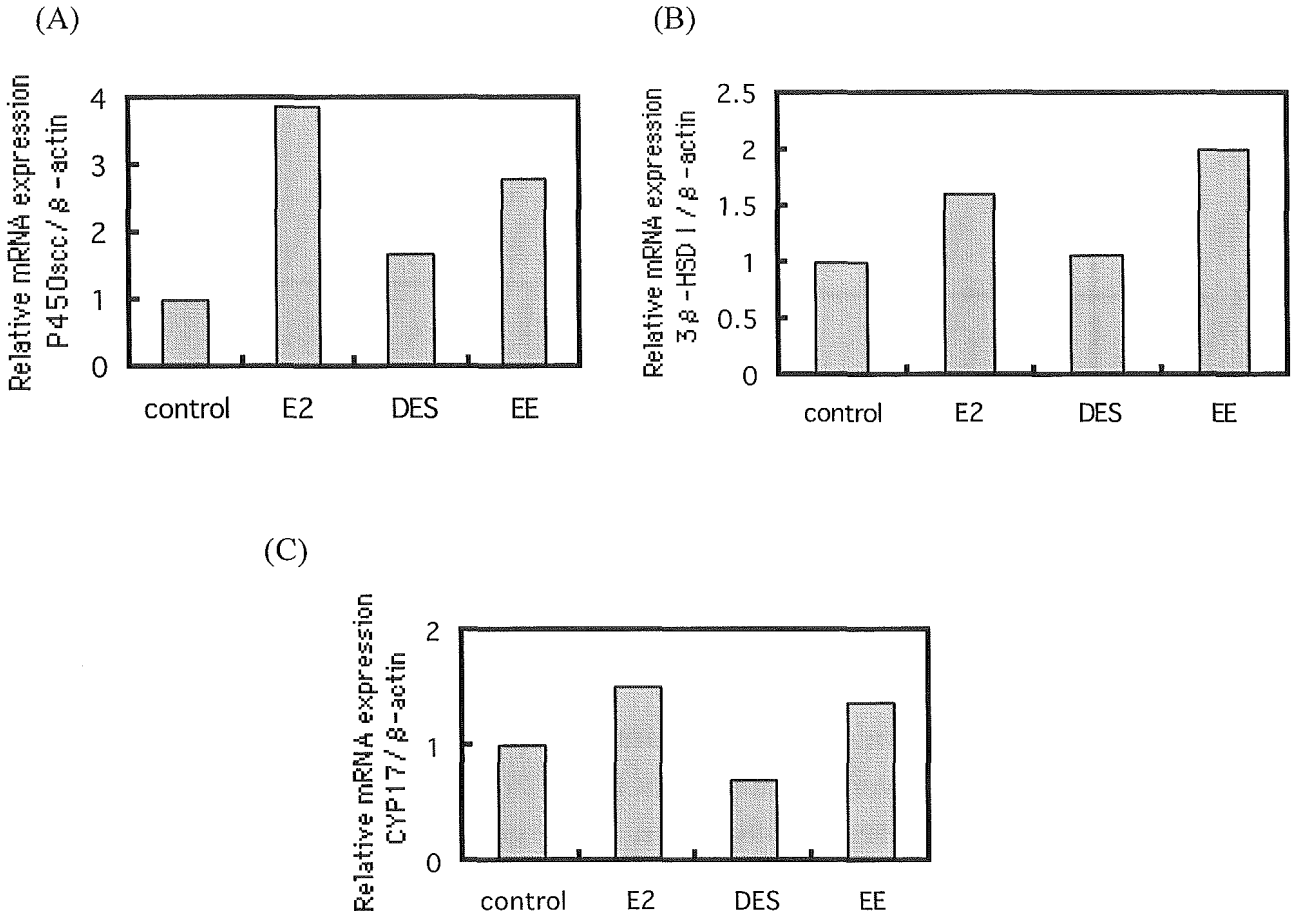

Fig. 9.　Effects of endocrine disruptors on P450scc, 3β-HSD I, and CYP17 in Rcho-1 cells. Total RNA were isolated from Rcho-1 cells in the absence or presence of 3×10^{-6} M E2, DES, and EE for 48 hours. Each gene expression was analyzed by quantitative real time PCR. (A) P450scc , (B) 3β-HSD I , (C) CYP17

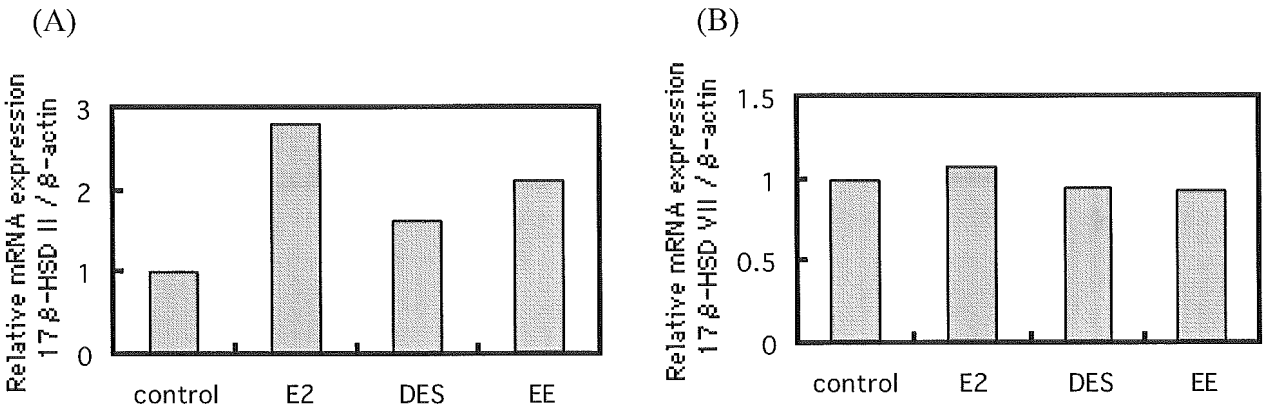

Fig. 10.　Effects of endocrine disruptors on 17β-HSDs mRNA expression in Rcho-1 cells. Total RNA were isolated from Rcho-1 cells in the absence or presence of 3×10^{-6} M E2, DES, and EE for 48 hours. Each gene expression was analyzed by quantitative real time PCR. (A) 17β-HSDⅡ (B) 17β-HSDⅦ

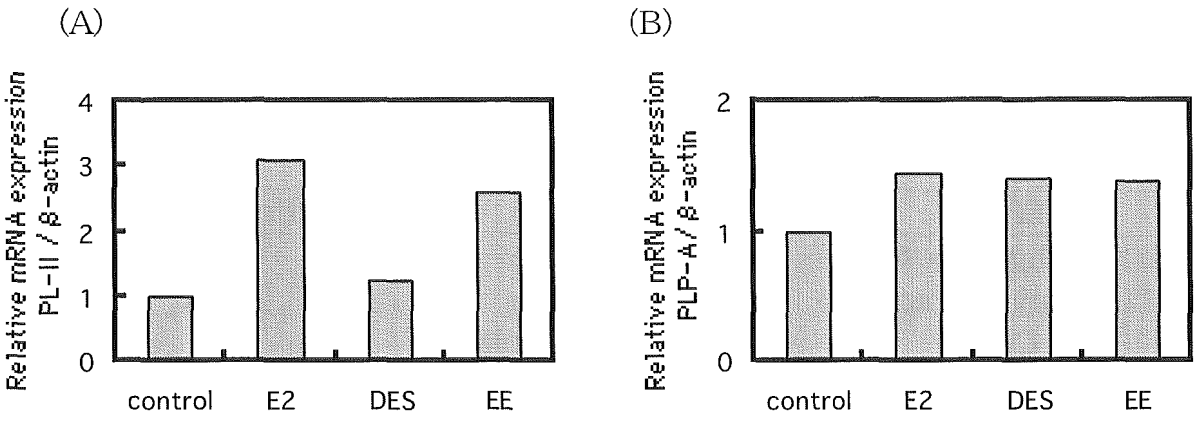

Fig. 11.　Effects of endocrine disruptors on PL-Ⅱ and PLP-A mRNA expression in Rcho-1 cells. Total RNA were isolated from Rcho-1 cells in the absence or presence of 3×10^{-6} M E2, DES, and EE for 48 hours. Each gene expression was analyzed by quantitative real time PCR. (A) PL-Ⅱ (B) PLP-A.

Table I. Affinity for hormone receptors and main use of various endocrine disruptors used in this research.

EDs	Main use	Affinity for HRs
DES (diethylstilbestrol)	Medicine	ER
EE (ethynyl estradiol)	Medicine	ER
Cd	component of plating	−
bisA (bisphenol A)	component of polycarbonate	ER
p,p'-DDT (DTT)	insecticide	ER
NP (nonylphenol)	surfactant	ER
OP (octylphenol)	surfactant	ER
BBP (Butyl benzyl phthalate)	plasticizer	ER

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以降は雑誌/図書等に掲載された論文となりますので
P11「研究成果の刊行に関する一覧表」をご参照ください