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## LIST OF ABBREVIATIONS

<i>A. paniculata</i>	<i>Andrographis paniculata</i>
AFB1	aflatoxin B1
Ah	arylhydrocarbon
AhR	arylhydrocarbon receptor
Andro	andrographolide
ANOVA	analysis of variance
APF	aminophenyl fluorescein
Arnt	arylhydrocarbon receptor nuclear translocator
B6	C57BL/6 mice
B[a]P	benzo[ <i>a</i> ]pyrene
BES-H <sub>2</sub> O <sub>2</sub> -Ac	3'-O-Acetyl-6'-O-pentafluorobenzenesulfonyl-2',7'- difluorofluorescein
BHT	butylated hydroxytoluene
β-NF	beta-naphthoflavone
BSO	L-buthionine-(S,R)-sulfoximine
°C	degree celsius
CAR	constitutive androstane receptor
cDNA	complementary deoxyribonucleic acid
CO	carbonmonoxide
CYP	cytochrome P450
CYP1A1	cytochrome P450 1A1
D2	DBA/2 mice
DAF-FM-DA	4-amino-5-methylamino- 2',7'-difluorofluorescein diacetate
DCF-DA	2',7'-dichlorodihydrofluorescein diacetate
DMSO	dimethyl sulfoxide
DNA	deoxyribonucleic acid
DTNB	5,5'-dithiobis-2-nitrobenzoic acid
ER $\alpha$	estrogen receptor alpha

**LIST OF ABBREVIATIONS (Cont.)**

EROD	ethoxyresorufin <i>O</i> -dealkylase
GR	glucocorticoid receptor
GSH	reduced glutathione
GSSG	oxidized glutathione
GST	glutathione <i>S</i> -transferase
GSTP	$\pi$ class of GST
h	hour
H <sub>2</sub> O <sub>2</sub>	hydrogen peroxide
HPF	hydroxyphenyl fluorescein
Hsp90	heat shock protein 90
i.p.	intraperitoneal
kDa	kilo Dalton
LDH	lactate dehydrogenase
3-MC	3-methylchloranthrene
mRNA	messenger ribonucleic acid
NAC	N-acetyl-L-cysteine
NADPH	$\beta$ -nicotinamide adenine dinucleotide phosphate
PAHs	polycyclic aromatic hydrocarbons
PB	phenobarbital
PI	propidium iodide
PK	protein kinases
p.o.	per oral
PR	progesterone receptor
PTK	protein tyrosine kinase
PXR	pregnane X receptor
RA	retinoic acid
RAR	retinoic acid receptors
RT-PCR	reverse transcription polymerase chain reaction

**LIST OF ABBREVIATIONS (Cont.)**

ROS	reactive oxygen species
RXR	retinoid X receptor
s.c.	subcutaneous
SCC	squamous cell carcinoma
SD	standard deviation
TCDD	2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin
TE	testosterone propionate
TNB	5-thio-2-nitrobenzoic acid
UGT	UDP glucuronosyltransferase
XRE	xenobiotic responsible element