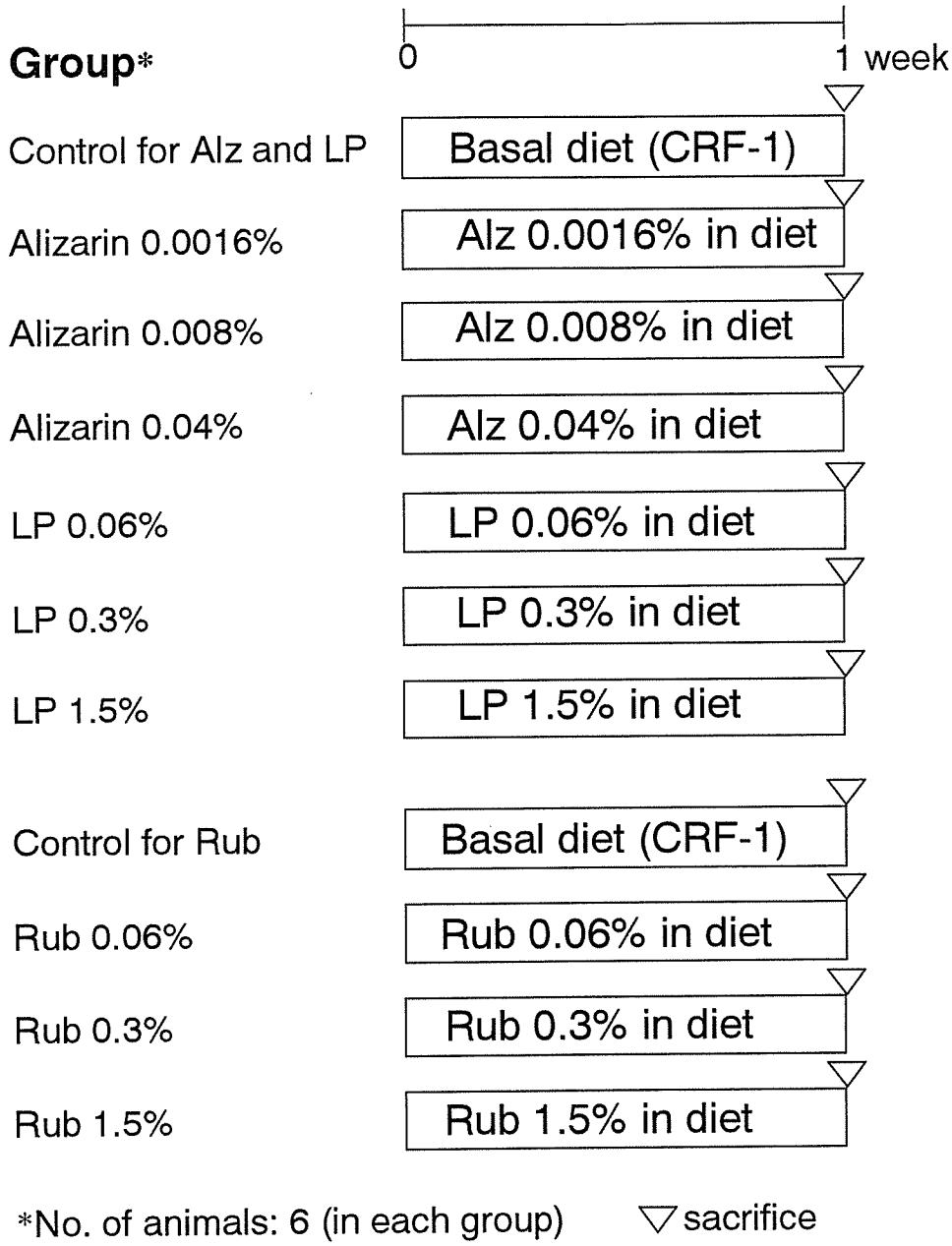
Fig. 1 Experimental design of the present study



*No. of animals: 6 (in each group) ▽sacrifice

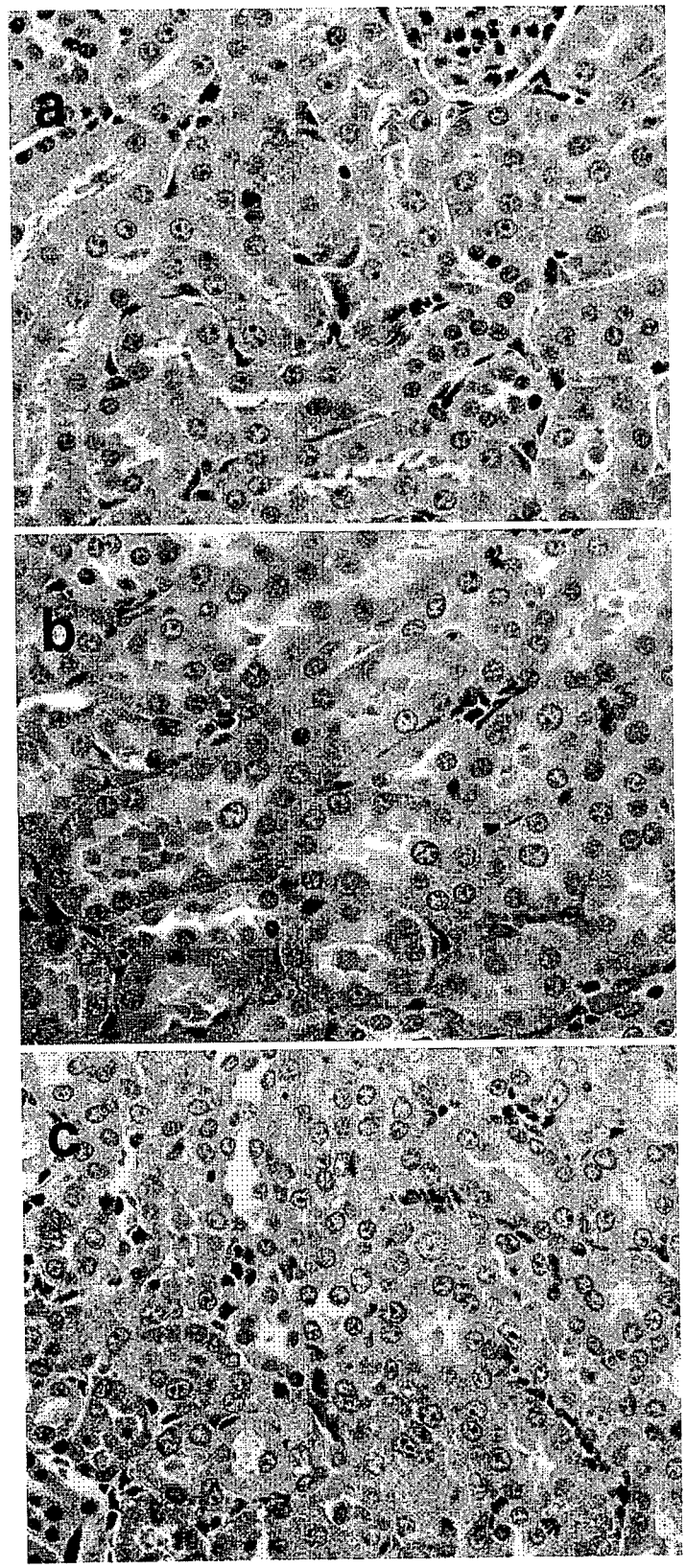


Fig. 2 Representative histopathological lesions in the renal proximal tubules of male F344 rats treated with Alz, LP or Rub for one week. Basophilic degeneration observed in the renal cortex treated with 0.04% Alz (a). Microvesicular vacuolar degeneration was also noted. Karyomegaly accompanied with cytoplasmic swelling and basophilic degeneration of tubular epithelial cells in the outer medulla treated with 0.06% (b) and 1.5% (c) Rub. Apoptosis of the tubular epithelial cells was often observed in 1.5% Rub group (c). Abbreviations: Alz, alizarin; LP, lucidin–3–*O*–primeveroside; Rub, rubiadin.

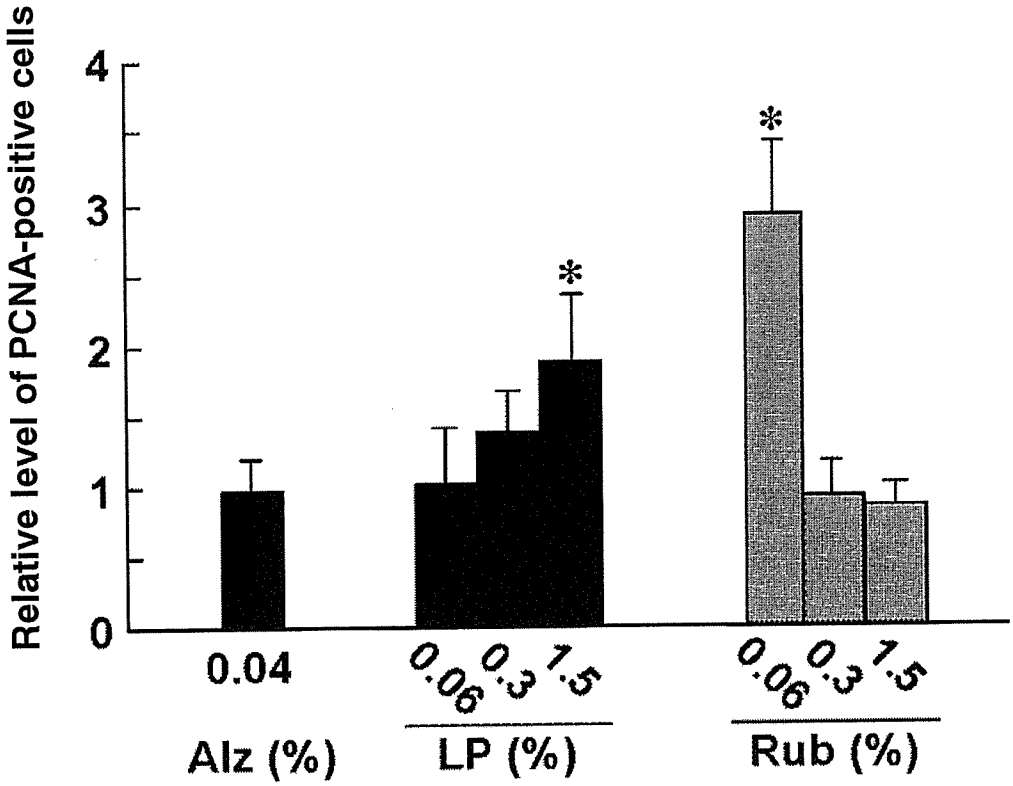


Fig. 3
Relative levels of PCNA-positive proximal tubuler epithelial cells in the renal outer medulla of male F344 rats treated with Alz, LP or Rub for one week. *p<0.01 vs. control group. Abbreviations: Alz, alizarin; LP, lucidin-3-*O*-primeveroside; Rub, rubiadin.

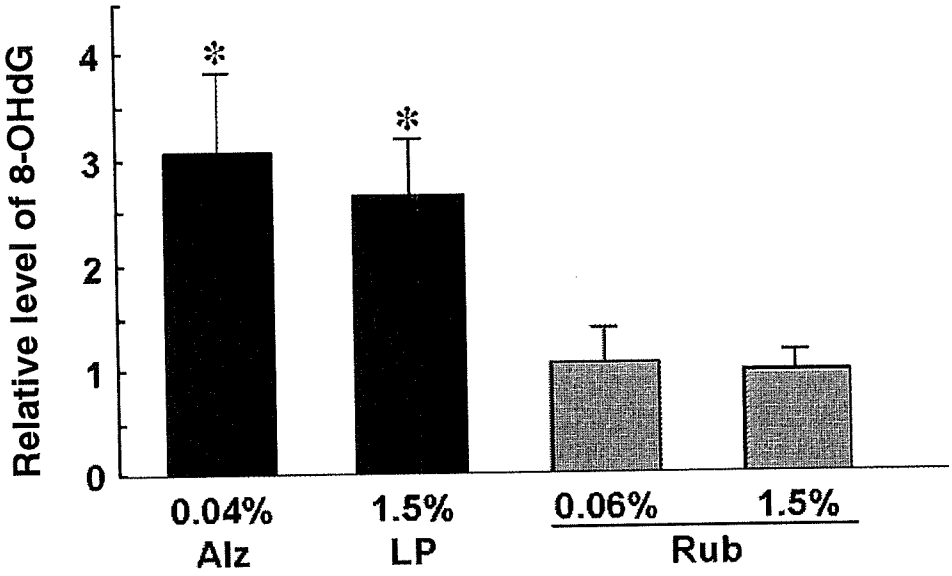


Fig. 4
Relative levesl of 8-OHdG in the kidneys of male F344 rats treated with Alz, LP or Rub for one week. *p<0.01 vs. control group. Abbreviations: Alz, alizarin; LP, lucidin-3-*O*-primeveroside; Rub, rubiadin.

研究成果の刊行に関する一覧表レイアウト（参考）

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Inoue, K., Sibutani, M., Masutomi, N., Toyoda, K., Takagi, H., Uneyama, C., Hirose, M.	A 13-week subchronic toxicity study of madder color in F344 rats	Food Chem. Toxicol.			投稿中