ERRATUM

PGA₂-induced expression of *HO-1* is mediated by transcriptional upregulation of Nrf2

Sang-sun Lee^{1,2}, Yun-Jeong Choe³, Hyein Lee^{1,2}, Sun-Young Lee^{1,2,4} & Ho-Shik Kim^{1,2}

Received: 24 April 2017 / Accepted: 8 May 2017

© The Korean Society of Toxicogenomics and Toxicoproteomics and Springer Nature B.V. 2019

Erratum to: Mol Cell Toxicol (2018) 14:391–398
DOI 10.1007/s13273-018-0043-z

In this article, figure 4 was duplicated in error.

The online version of the original article can be found under doi:
DOI 10.1007/s13273-018-0043-z.

¹Department of Biochemistry, College of Medicine, The Catholic University of Korea, Seoul 06591, Republic of Korea

²Cancer Evolution Research Center, College of Medicine, The Catholic University of Korea, Seoul 06591, Republic of Korea

³Department of Pharmacy Practice and Pharmaceutical Sciences, College of Pharmacy, University of Minnesota, Duluth, MN 55812, USA

⁴Department of Biology, Faculty of Science, Naresuan University, Phitsanulok 65000, Thailand

Correspondence and requests for materials should be addressed to H.-S. Kim (✉hoshik@catholic.ac.kr or hoshik2013@gmail.com)

Figure 4. The effect of PGA₂ on expression of *Nrf2*. (A, B) U2OS and HCT116 cells were treated with indicated concentrations of PGA₂. At 8 h post-treatment, whole cell lysates (WCL) and total cellular RNA were subjected to immunoblot analysis against indicated proteins (A) and qPCR against *Nrf2* mRNA (B), respectively. Tumor suppressor p53 was used for equal loading of each sample. (C) U2OS and HCT116 cells were treated with vehicle or actinomycin D (AD, 2 ng/mL) for 1 h and incubated in the absence or presence of PGA₂ (15 μ M) for another 8 h. Then, immunoblot analysis against indicated proteins was performed with WCL. (D) U2OS and HCT116 cells were treated as with the experiment shown in Figure 4(C), total cellular RNA were subjected to qPCR against *HO-1* mRNA and *Nrf2* mRNA. Data of qPCR are mean $\pm$ SEM of three independent experiments measured in triplicate. In every experiment, GAPDH protein and mRNA were used for equal protein loading and as an internal reference for normalization, respectively.