Correction to: A potent protective effect of baicalein on liver injury by regulating mitochondria-related apoptosis

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The original version of this article unfortunately contains errors in methods and figures.

In methods, animal experiments part: “2 ml/kg” and “after two days” were described incorrectly which were actually “4 ml/kg” and “after eight days” respectively.

In figures, the TUNEL staining (Fig. 1a, Fig. 2b and Fig. 3b) and DAPI staining (Supplementary Fig. 3a) were

shown incorrectly. The correct Fig. 1a, Fig. 2b, Fig. 3b are given below and Supplementary Fig. 3a is available in the supplementary information. The corrections do not affect either the validity of the data or the overall conclusions.

The correct Fig. 1a, Fig. 2b, Fig. 3b are shown below, and Supplementary Fig. 3a is available in the supplementary information.

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Fig. 1 Oxidative stress induces hepatotoxicity. L02 cells were exposed to 100 μ M H₂O₂ for the indicated time. **a** Mitochondrial and apoptosis were stained with MitoTracker Red and TUNEL, respectively. **b** The percentage of cells underwent mitochondrial fission and TUNEL positive cell. **c** The expression levels of apoptotic related

proteins were detected by western blotting and densitometry. **d** The expression level of March5 and autophagy proteins were detected by western blotting and densitometry. All of the data was expressed as the mean $\pm$ SEM of three independent experiments. * P < 0.05, ** P < 0.01, *** P < 0.001

Fig. 2 Knockdown of MARCH5 sensitizes L02 cells to hepatotoxicity induced by oxidative stress. **a** L02 cells were transfected with MARCH5-siRNA for 24 h, the expression level of March5 was detected by western blotting and densitometry. **b** L02 cells were exposed to 50 μM H₂O₂ for another 12 h, mitochondrial and apoptosis were stained with MitoTracker Red and TUNEL, respectively. **c**

The percentage of cells underwent mitochondrial fission and TUNEL positive cell. **d** The expression levels of apoptotic and autophagy related proteins were detected by western blotting. **e** The data analysis of blot densitometry. All of the data was expressed as the mean ± SEM of three independent experiments. *P<0.05, **P<0.01, ***P<0.001

Fig. 3 Over-expression of MARCH5 reduces hepatotoxicity induced by oxidative stress. **a** L02 cells were transfected with MARCH5-cDNA for 24 h, the expression level of March5 was detected by western blotting and densitometry. **b** L02 cells were exposed to 100 μ M H_2O_2 for another 12 h, mitochondrial and apoptosis were stained with MitoTracker Red and TUNEL, respectively. **c** The percentage

of cells underwent mitochondrial fission and TUNEL positive cell. **d** The expression levels of apoptotic and autophagy related proteins were detected by western blotting and densitometry. **e** The data analysis of blot densitometry. All of the data was expressed as the mean $\pm$ SEM of three independent experiments. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$