

## CORRIGENDUM

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### **miR-29b overexpression induces cochlear hair cell apoptosis through the regulation of SIRT1/PGC-1 $\alpha$ signaling: Implications for age-related hearing loss**

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Subsequently to the publication of the above paper, an interested reader drew to the authors' attention that the bar charts shown in Fig. 4A and B, which were intending to have shown the RT-qPCR and western blot analyses of SIRT1 and PGC-1 $\alpha$  in HEI-OC1 cells, respectively, under different experimental conditions were apparently identical. Similarly, in Fig. 5, the histograms shown in Fig. 5C and D, which were intending to have shown the RT-qPCR and western blot analyses, respectively, of SIRT1 and PGC-1 $\alpha$  in HEI-OC1 cells subjected to different treatments were also apparently identical. The authors have re-examined their data, and realize that the data properly belonging to the protein expression levels had been wrongly used to show the mRNA levels, and therefore Figs. 4A and 5C were presented incorrectly in these figures.

The revised versions of Figs. 4 and 5, containing the correct data for the RT-qPCR experiments in Figs. 4A and 5C, are shown on the next page. These errors did not affect the major conclusions reported in the paper. All the authors have agreed to this corrigendum, and thank the Editor of *International Journal of Molecular Medicine* for allowing them the opportunity to publish this. The authors regret these errors went unnoticed during the compilation of the figures in question, and apologize to the readership for any confusion that this may have caused.



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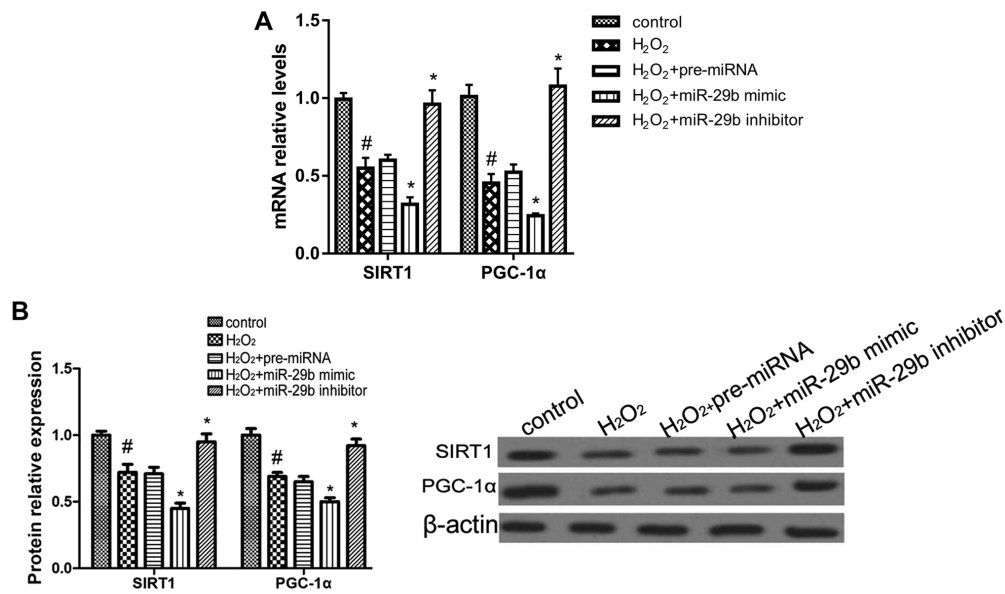


Figure 4. miR-29b regulates the expression of sirtuin 1 (SIRT1) and proliferator-activated receptor-gamma coactivator 1α (PGC-1α) in HEI-OC1 cells. (A) RT-qPCR analysis of SIRT1 and PGC-1α in HEI-OC1 cells subjected to different treatments. <sup>#</sup>p<0.05 compared to the control group; <sup>\*</sup>p<0.05 compared to the H<sub>2</sub>O<sub>2</sub> group. (B) Protein expression of SIRT1 and PGC-1α determined by western blot analysis in HEI-OC1 cells subjected to different treatments. <sup>#</sup>p<0.05 compared to the control group; <sup>\*</sup>p<0.05 compared to the H<sub>2</sub>O<sub>2</sub> group.

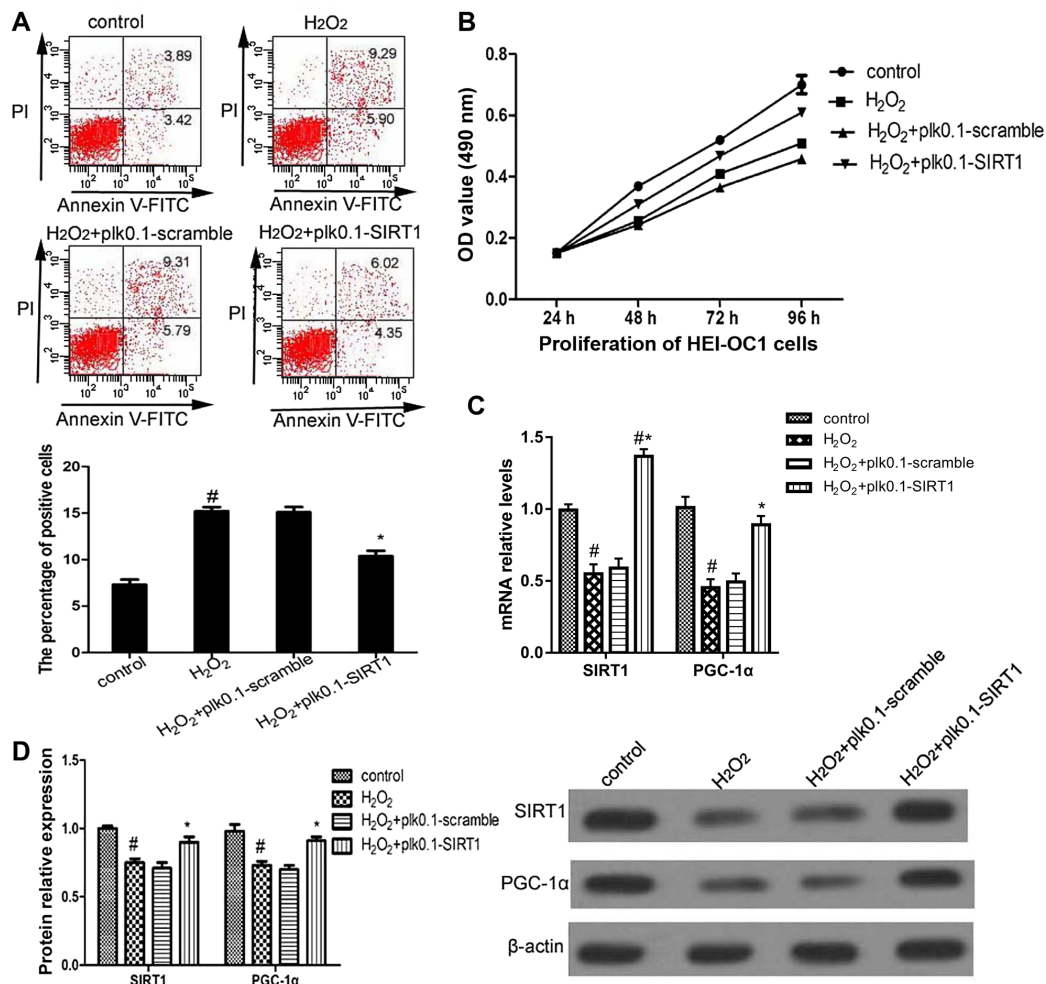


Figure 5. Sirtuin 1 (SIRT1) regulates the expression of proliferator-activated receptor-gamma coactivator 1α (PGC-1α), as well as the apoptosis and proliferation of HEI-OC1 cells. (A) HEI-OC1 cell apoptosis was measured by Annexin V and propidium iodine staining. (B) The proliferation of HEI-OC1 cells was measured by MTT assay. (C) RT-qPCR analysis of SIRT1 and PGC-1α in HEI-OC1 cells subjected to different treatments. <sup>#</sup>p<0.05 compared to the control group; <sup>\*</sup>p<0.05 compared to the H<sub>2</sub>O<sub>2</sub> group. (D) Protein expression analysis of SIRT1 and PGC-1α determined by western blot analysis in HEI-OC1 cells subjected to different treatments. <sup>#</sup>p<0.05 compared to the control group; <sup>\*</sup>p<0.05 compared to the H<sub>2</sub>O<sub>2</sub> group.