

CORRECTION

Open Access



# Correction: Daurisoline attenuates H<sub>2</sub>O<sub>2</sub>-induced chondrocyte autophagy by activating the PI3 K/Akt/mTOR signaling pathway

Yang Zhang<sup>1†</sup>, Wenguang Liu<sup>1†</sup>, Zhonghao Liu<sup>1</sup> and Yi Liu<sup>1\*</sup>

**Correction: J Orthop Surg Res 18:248 (2023)**  
**<https://doi.org/10.1186/s13018-023-03717-5>**

In this article Fig. 7 appeared incorrectly and has now been corrected in the original publication. For completeness and transparency, the old incorrect versions are displayed below.

---

<sup>†</sup>Yang Zhang and Wenguang Liu contributed equally to this work.

---

The original article can be found online at <https://doi.org/10.1186/s13018-023-03717-5>.

---

\*Correspondence:

Yi Liu

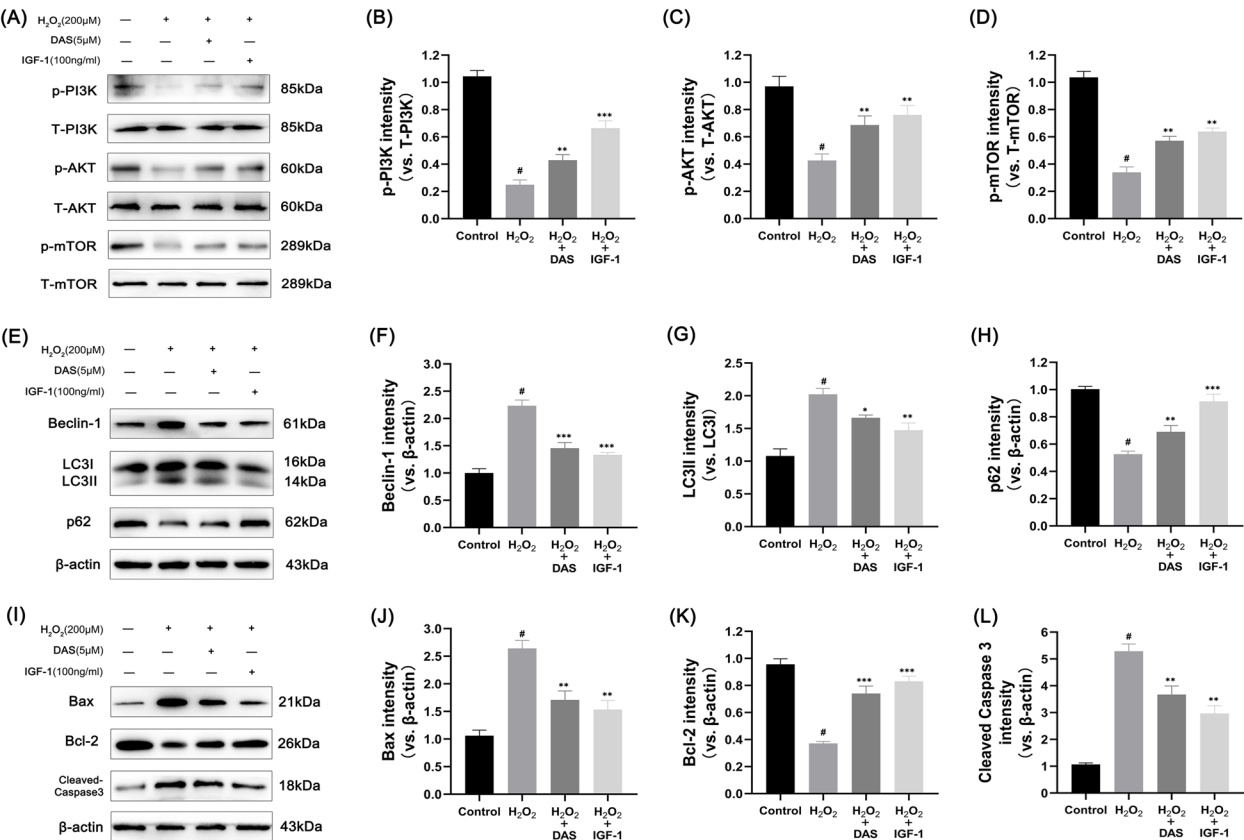
[liuyiyi@163.com](mailto:liuyiyi@163.com)

<sup>1</sup> Department of Orthopaedics, The Second Hospital, Cheeloo College of Medicine, Shandong University, 247 Beiyuan Street, Jinan, Shandong 250033, People's Republic of China



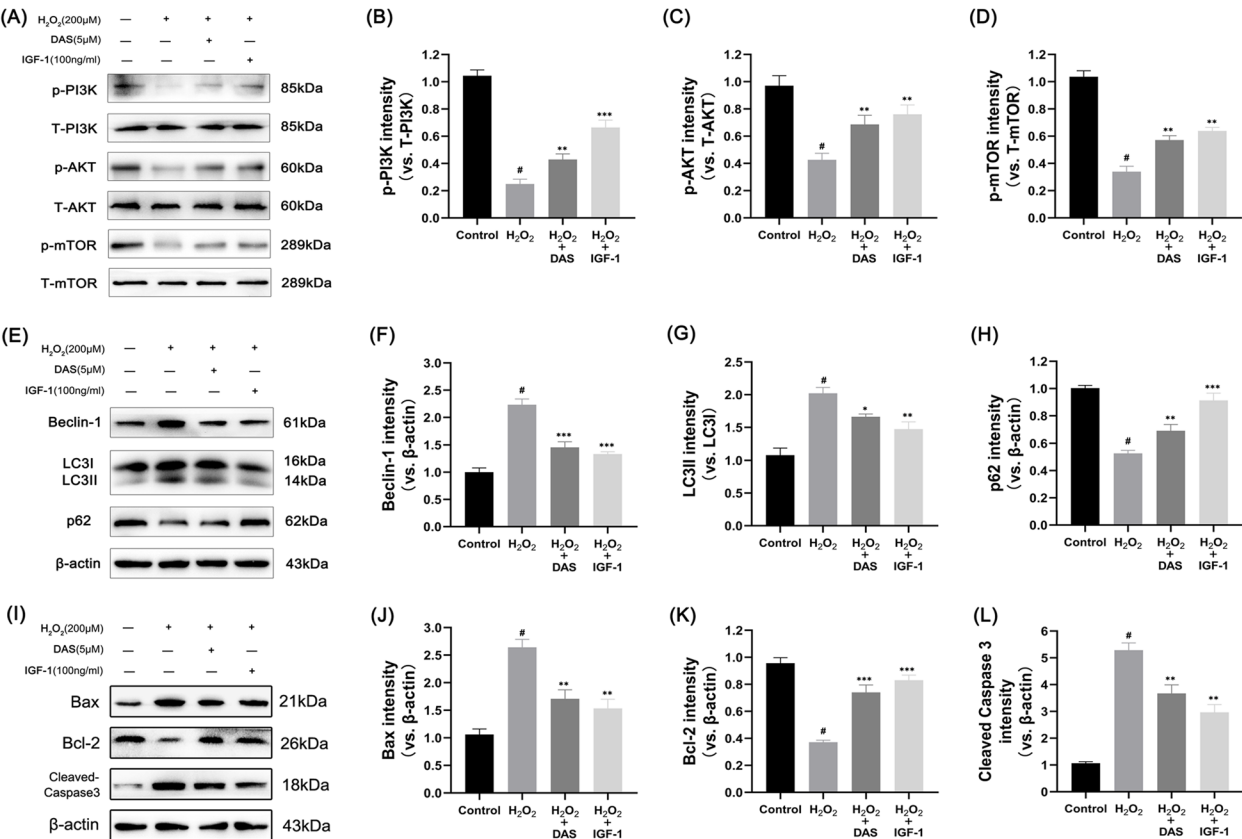
© The Author(s) 2025. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

Incorrect Fig. 7



**Fig. 7** DAS inhibits autophagy markers and apoptosis-related factors through the PI3K/AKT/mTOR signaling pathway. **A–D** Western blot analysis of the protein levels of p-AKT, T-AKT, p-PI3K, T-PI3K, p-mTOR and T-mTOR and the quantification of associated proteins in the blots shown. **E–H** western blot and quantitative correlation analysis of Beclin-1, LC3 and p62 in chondrocytes. **I–L** Western blot was performed to quantitatively analyze the expression of Bax, Bcl-2 and cleaved caspase-3. The values represent the mean ± SD. #p < 0.05, \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001 versus the control group

Corrected Fig. 7



**Fig. 7** DAS inhibits autophagy markers and apoptosis-related factors through the PI3K/AKT/mTOR signaling pathway. **A–D** Western blot analysis of the protein levels of p-AKT, T-AKT, p-PI3K, T-PI3K, p-mTOR and T-mTOR and the quantification of associated proteins in the blots shown. **E–H** western blot and quantitative correlation analysis of Beclin-1, LC3 and p62 in chondrocytes. **I–L** Western blot was performed to quantitatively analyze the expression of Bax, Bcl-2 and cleaved caspase-3. The values represent the mean ± SD. #p < 0.05 versus the control group. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001 versus the control group

The original article has been corrected.