

Retraction

RETRACTED: Sun *et al.* Astragaloside IV inhibits human colorectal cancer cell growth. Front. Biosci. (Landmark Ed) 2019, 24(3), 597–606

Frontiers in Bioscience-Landmark Editorial Office

Published: 24 December 2024

The Editor-in-Chief has retracted the article entitled “[Astragaloside IV inhibits human colorectal cancer cell growth]” ([1]) due to significant concerns regarding the reliability and integrity of the data presented.

Recently, several issues were brought to the attention of the Publisher and Editor-in-Chief regarding the originality and authenticity of the images in this paper published in 2019 prior to the present publisher and EiC taking over the management of the journal. The content of repeated figures includes but is not limited to:

- (1) Fig. 2A contains images that are identical to those in Fig. 3A of a previously published paper [2].
- (2) Fig. 2A contains images that are identical to those in Fig. 2C of a previously published paper [3].
- (3) Fig. 2H contains images that are identical to those in Fig. 4A,B of a previously published paper [4].
- (4) Fig. 4J contains images that are identical to those in Fig. 2D of a previously published paper [5].

These duplications of images raise serious questions about the validity of the results and the adherence to ethical standards of research. The authors were contacted for an explanation but did not reply. Therefore, the Editor-in-Chief no longer has confidence in the research presented in this work and retracted the article.

References

- [1] Sun P, Liu Y, Wang Q, Zhang B. Astragaloside IV inhibits human colorectal cancer cell growth. *Frontiers in Bioscience (Landmark Edition)*. 2019; 24: 597–606. <https://doi.org/10.2741/4738>.
- [2] Li L, Liu H, Du L, Xi P, Wang Q, Li Y, *et al.* miR-449a Suppresses LDHA-Mediated Glycolysis to Enhance the Sensitivity of Non-Small Cell Lung Cancer Cells to Ionizing Radiation. *Oncology Research*. 2018; 26: 547–556. <https://doi.org/10.3727/096504017X15016337254605>.
- [3] Li Y, Liu Y, Shi F, Cheng L, She J. Knockdown of Rap1b Enhances Apoptosis and Autophagy in Gastric Cancer Cells via the PI3K/Akt/mTOR Pathway. *Oncology Research*. 2016; 24: 287–293. <https://doi.org/10.3727/096504016X14648701447779>.
- [4] Wu J, Li W, Ning J, Yu W, Rao T, Cheng F. Long noncoding RNA UCA1 targets miR-582-5p and contributes to the progression and drug resistance of bladder cancer cells through ATG7-mediated autophagy inhibition. *OncoTargets and Therapy*. 2019; 12: 495–508. <https://doi.org/10.2147/OTT.S183940>.
- [5] Ding L, Bai C, Liu Y. Interleukin-6 contributes to myocardial damage in pregnant rats with reduced uterine perfusion pressure. *Brazilian Journal of Medical and Biological Research = Revista Brasileira De Pesquisas Medicas E Biologicas*. 2018; 51: e6921. <https://doi.org/10.1590/1414-431X20186921>.

