

RETRACTION

Retraction: MicroRNA-153 Inhibits Osteosarcoma Cells Proliferation and Invasion by Targeting TGF- β 2

The PLOS ONE Editors

Following the publication of this article [1], similarities were noted between this article and articles submitted by other research groups, including [2–10], of which one article [10] was previously retracted [11].

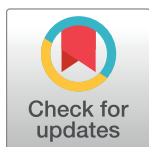
Similarities included the following figures which appear to partially overlap, despite being published in different articles and representing different conditions:

- Lanes 2–3 of the GAPDH panel in Fig 3D of [1], and lanes 1–2 of the GAPDH panel in Fig 4D of [6].

Although the corresponding author initially replied to acknowledge receipt of our message, PLOS ONE did not receive responses to the queries regarding these concerns by the end of the original deadline and extension.

The unresolved concerns call into question the validity and provenance of the reported results and the adherence of this article to the PLOS Authorship policy. Therefore, the PLOS ONE Editors retract this article [1].

All authors did not comment on the retraction decision, did not respond directly or could not be reached.



OPEN ACCESS

Citation: The PLOS ONE Editors (2022) Retraction: MicroRNA-153 Inhibits Osteosarcoma Cells Proliferation and Invasion by Targeting TGF- β 2. PLoS ONE 17(6): e0269902. <https://doi.org/10.1371/journal.pone.0269902>

Published: June 8, 2022

Copyright: © 2022 The PLOS ONE Editors. This is an open access article distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

References

1. Niu G, Li B, Sun L, An C (2015) MicroRNA-153 Inhibits Osteosarcoma Cells Proliferation and Invasion by Targeting TGF- β 2. PLoS ONE 10(3): e0119225. <https://doi.org/10.1371/journal.pone.0119225> PMID: 25793604
2. Shen J, Niu W, Zhou M, Zhang H, Ma J, Wang L, et al. (2014) MicroRNA-410 Suppresses Migration and Invasion by Targeting MDM2 in Gastric Cancer. PLoS ONE 9(8): e104510. <https://doi.org/10.1371/journal.pone.0104510> PMID: 25136862
3. Xu N, Li Z, Yu Z, Yan F, Liu Y, Lu X, et al. (2014) MicroRNA-33b Suppresses Migration and Invasion by Targeting c-Myc in Osteosarcoma Cells. PLoS ONE 9(12): e115300. <https://doi.org/10.1371/journal.pone.0115300> PMID: 25546234
4. Chong Y, Zhang J, Guo X, Li G, Zhang S, Li C, et al. (2014) MicroRNA-503 Acts as a Tumor Suppressor in Osteosarcoma by Targeting L1CAM. PLoS ONE 9(12): e114585. <https://doi.org/10.1371/journal.pone.0114585> PMID: 25536034
5. Shen L, Wang P, Yang J, Li X (2014) MicroRNA-217 Regulates WASF3 Expression and Suppresses Tumor Growth and Metastasis in Osteosarcoma. PLoS ONE 9(10): e109138. <https://doi.org/10.1371/journal.pone.0109138> PMID: 25289936
6. Xiu Y, Liu Z, Xia S, Jin C, Yin H, Zhao W, et al. (2014) MicroRNA-137 Upregulation Increases Bladder Cancer Cell Proliferation and Invasion by Targeting PAQR3. PLoS ONE 9(10): e109734. <https://doi.org/10.1371/journal.pone.0109734> PMID: 25330156
7. Xue Z, Zhao J, Niu L, An G, Guo Y, Ni L (2015) Up-Regulation of MiR-300 Promotes Proliferation and Invasion of Osteosarcoma by Targeting BRD7. PLoS ONE 10(5): e0127682. <https://doi.org/10.1371/journal.pone.0127682> PMID: 26010572

8. Wang H, Yan C, Shi X, Zheng J, Deng L, Yang L, et al. MicroRNA-575 targets BLID to promote growth and invasion of non-small cell lung cancer cells. *FEBS Letters* 589 (2015) 805–811. <https://doi.org/10.1016/j.febslet.2015.02.013> PMID: 25728273
9. Qian K, Mao B, Zhang W, Chen H. (2016). MicroRNA-561 inhibits gastric cancer cell proliferation and invasion by downregulating c-Myc expression. *American journal of translational research*, 8(9), 3802–3811. PMID: 27725860
10. Chen G, Lu L, Liu C, Shan L, Yuan D (2015) MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. *PLoS ONE* 10(3): e0117714. <https://doi.org/10.1371/journal.pone.0117714> PMID: 25739101
11. The *PLOS ONE* Editors (2022) Retraction: MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. *PLoS ONE* 17(3): e0266302. <https://doi.org/10.1371/journal.pone.0266302> PMID: 35325011