

CORRECTION

Open Access



# Correction: H3K27ac-induced lncRNA PAXIP1-AS1 promotes cell proliferation, migration, EMT and apoptosis in ovarian cancer by targeting miR-6744-5p/PCBP2 axis

Yimin Ma<sup>1\*</sup> and Wei Zheng<sup>2</sup>

**Correction:** *J Ovarian Res* 14, 76 (2021)

<https://doi.org/10.1186/s13048-021-00822-z>

Following publication of the original article [1], the authors identified an error in Figs. 1 and 5. The correct figures are shown in the following pages.

## Author details

<sup>1</sup>Department of Gynecology, Ningbo Medical Center Lihuili Hospital, Ningbo 315040, Zhejiang, China. <sup>2</sup>Department of Gynecology, Xi'an Military Industry Hospital, Xi'an 710065, Shaanxi, China.

Published online: 20 September 2022

## Reference

1. Ma Y, Zheng W. H3K27ac-induced lncRNA PAXIP1-AS1 promotes cell proliferation, migration, EMT and apoptosis in ovarian cancer by targeting miR-6744-5p/PCBP2 axis. *J Ovarian Res*. 2021;14:76. <https://doi.org/10.1186/s13048-021-00822-z>.

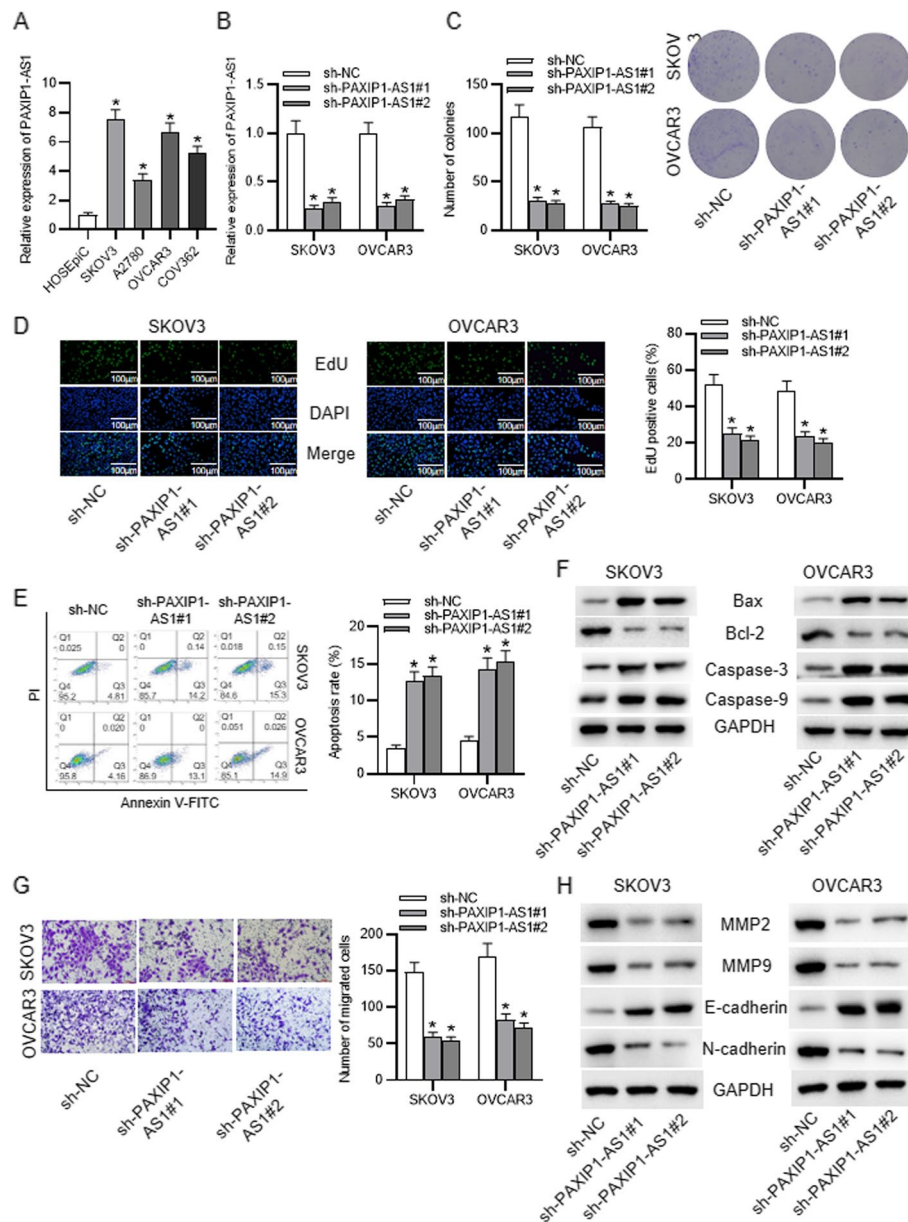
The original article can be found online at <https://doi.org/10.1186/s13048-021-00822-z>.

\*Correspondence: [mayimin627@hotmail.com](mailto:mayimin627@hotmail.com)

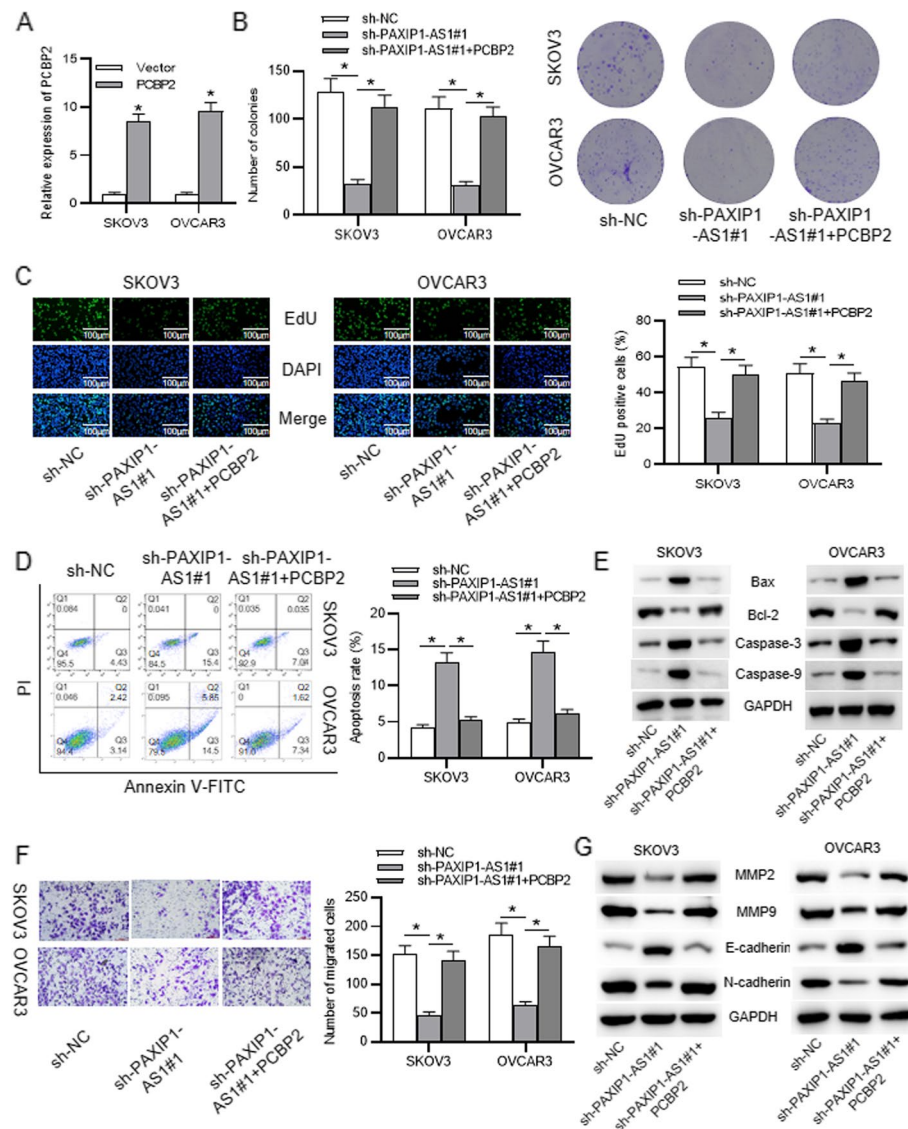
<sup>1</sup> Department of Gynecology, Ningbo Medical Center Lihuili Hospital, Ningbo 315040, Zhejiang, China



© The Author(s) 2022. **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.



**Fig. 1** Expression pattern and functional role of PAXIP1-AS1 in OC cells. **a** RT-qPCR data of PAXIP1-AS1 expression in HOSEpic cell line and OC cell lines. **b** Knockdown of PAXIP1-AS1 in SKOV3 and OVCAR3 cells validated by RT-qPCR. **c-d** Proliferation of SKOV3 and OVCAR3 cells upon PAXIP1-AS1 silencing was evaluated via colony formation assay and EdU assay. **e** Apoptosis of SKOV3 and OVCAR3 cells after PAXIP1-AS1 silencing was assessed through flow cytometry analysis. **f** Protein levels of Bax, Bcl-2, caspase-3 and caspase-9 under sh-PAXIP1-AS1 transfection were detected by western blot. **g** Migration of SKOV3 and OVCAR3 cells transfected with sh-PAXIP1-AS1 was confirmed by Transwell assay. **h** MMP2, MMP9, E-cadherin and N-cadherin protein levels were testified with western blot upon PAXIP1-AS1 knockdown. \* $p < 0.05$



**Fig. 5** PCBP2 was a target of PAXIP1-AS1 in regulating OC cellular process. **a** Expression of PCBP2 in cells transfected with pcDNA3.1/PCBP2. **b-c** Cell proliferation with indicated transfection was tested by colony formation and EdU assays. **d-e** Apoptotic rate and levels of apoptosis-relevant proteins were respectively determined by flow cytometry analysis and western blot. **f** Cell migration in each group was measured through Transwell assay. **g** Levels of migration-related proteins and EMT-associated proteins in cells transfected with appointed plasmids were evaluated using western blot. \* $p < 0.05$