

RETRACTION NOTE



Retraction Note: CDK5RAP3 as tumour suppressor negatively regulates self-renewal and invasion and is regulated by ERK1/2 signalling in human gastric cancer

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The Editor-in-Chief has retracted this article because the authors have not provided documents confirming that appropriate ethics approval was obtained for the human and animal studies. Additionally, concerns were raised regarding the data presented in some of the figures. Specifically:

- In Figure 2d, the sh.Scr Invasion panel has elements that appear highly similar to the Figure 3e AGS, CDK5RAP3 Migration panel.
- In Figure 3e, the KATOIII Vector Invasion panel has elements that appear highly similar to the Figure 3C SNU-668 DMSO Invasion panel of [1].
- In Figure 3e, the KATOIII Vector Migration panel has elements that appear highly similar to the Figure 3C SNU-668 DMSO Migration panel of [1].

- In Figure S4E, the tumour images appear highly similar to the Figure 6A tumour images of [2].

Sandra W. Ryeom and Sam S. Yoon agree with this retraction. Jian-xian Lin has not stated whether they agree or disagree with this retraction. Changhwan Yoon, Ping Li, Soo-Jeong Cho, Chao-hui Zheng, Jian-wei Xie, Jian-bin Wang, Jun Lu, Qi-yue Chen, and Chang-ming Huang have not responded to correspondence regarding this retraction.

REFERENCES

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2. Yoon C, Cho SJ, Chang KK, Park DJ, Ryeom SW, Yoon SS. Role of Rac1 pathway in epithelial-to-mesenchymal transition and cancer stem-like cell phenotypes in gastric adenocarcinoma. *Mol Cancer Res.* 2017;15:1106–16.