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# Retraction Note: Type IV collagen $\alpha$ 1-chain noncollagenous domain blocks MMP-2 activation both in-vitro and in-vivo

Yakkanti Akul Sudhakar, Raj Kumar Verma &amp; Smita C. Pawar

Retraction of: *Scientific Reports* <https://doi.org/10.1038/srep04136>, published online 26 March 2014

The Editors have retracted this article.

An investigation by the US Office of Research Integrity (ORI) [1] has concluded that the protein band arresten ( $\alpha$ 1(IV)NC1) in Figure 3C (lanes 3–6) was reused in the grant applications R01 CA143128-04 and R01 EY024967-01 to represent a different set of experiments. The ORI was unable to determine which, if any, of these data are correct. The authors have not been able to provide any of the requested original data for this study. The Editors no longer have confidence in the integrity of the data presented in this article.

Yakkanti Akul Sudhakar & Smita C. Pawar disagree with the retraction. The Editors were not able to obtain a current email address for Raj Kumar Verma.

## References

1. Case Summary: Yakkanti, Sudhakar. Federal Register Notice. 84: 61917, <https://ori.hhs.gov/sites/default/files/2019-11/2019-24689.pdf> (2019).



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