

RETRACTION NOTE

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Retraction Note: HGF and TGF β 1 differently influenced Wwox regulatory function on Twist program for mesenchymal-epithelial transition in bone metastatic versus parental breast carcinoma cells

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Retraction note to: *Mol Cancer* 14, 112 (2015)
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The Editor-in-Chief has retracted this article [1] following an investigation by the Università degli Studi di Milano. The investigation found that both Figs. 2 and 3 have key problems of different types of manipulations of the vinculin WB used as loading control. In Fig. 2, the vinculin protein bands have been used in other publications from the same groups [2–4], while band rotation seems to have been performed in Fig. 3 to clone vinculin bands. The results of this study are thus unreliable.

The authors do not agree to this retraction.

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References

1. Bendinelli P, Maroni P, Matteucci E, et al. HGF and TGF β 1 differently influenced Wwox regulatory function on Twist program for mesenchymal-epithelial transition in bone metastatic versus parental breast carcinoma cells. *Mol Cancer*. 2015;14:112 <https://doi.org/10.1186/s12943-015-0389-y>.

2. Maroni P, Bendinelli P, Matteucci E, et al. Osteolytic bone metastasis is hampered by impinging on the interplay among autophagy, anoikis and ossification. *Cell Death Dis*. 2014;5:e1005 <https://doi.org/10.1038/cddis.2013.465>.
3. Bendinelli P, Maroni P, Matteucci E, et al. Epigenetic regulation of HGF/Met receptor axis is critical for the outgrowth of bone metastasis from breast carcinoma. *Cell Death Dis*. 2017;8:e2578 <https://doi.org/10.1038/cddis.2016.403>.
4. Ridolfi E, Matteucci E, Maroni P, et al. Inhibitory effect of HGF on invasiveness of aggressive MDA-MB231 breast carcinoma cells, and role of HDACs. *Br J Cancer*. 2008;99:1623–34 <https://doi.org/10.1038/sj.bjc.6604726>.

The original article can be found online at <https://doi.org/10.1186/s12943-015-0389-y>.

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