


CORRECTION

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Correction: RhoA promotes osteoclastogenesis and regulates bone remodeling through mTOR-NFATc1 signaling

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blot image of p70S6K was incorrect due to the mistaken images being inadvertently inserted during the assembly of Fig. 5h. The correct Fig. 5h is given below:

Following publication of the original article (Wang et al. 2023), we have been informed that in Fig. 5h, the western

The original article can be found online at <https://doi.org/10.1186/s10020-023-00638-1>.

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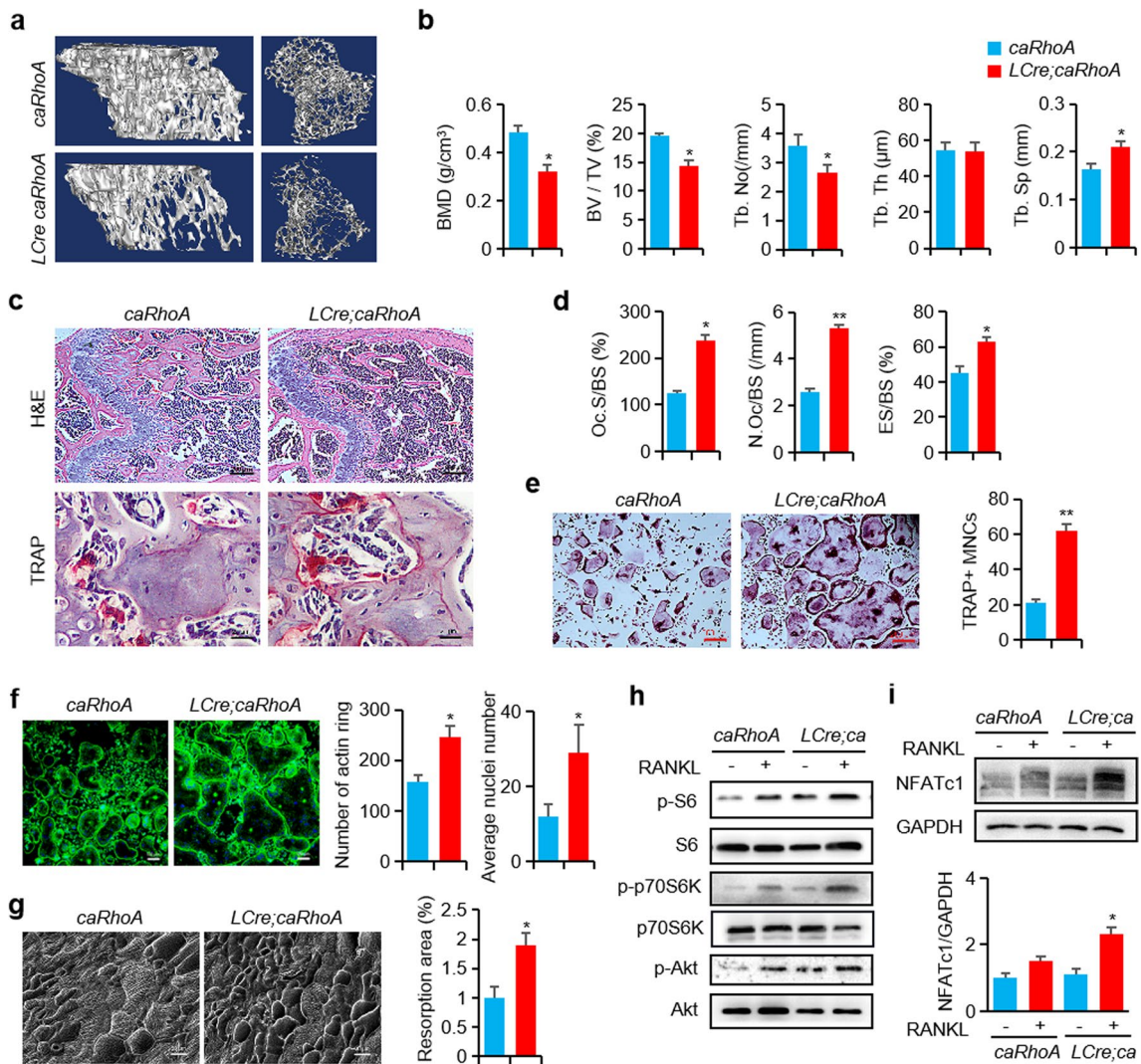
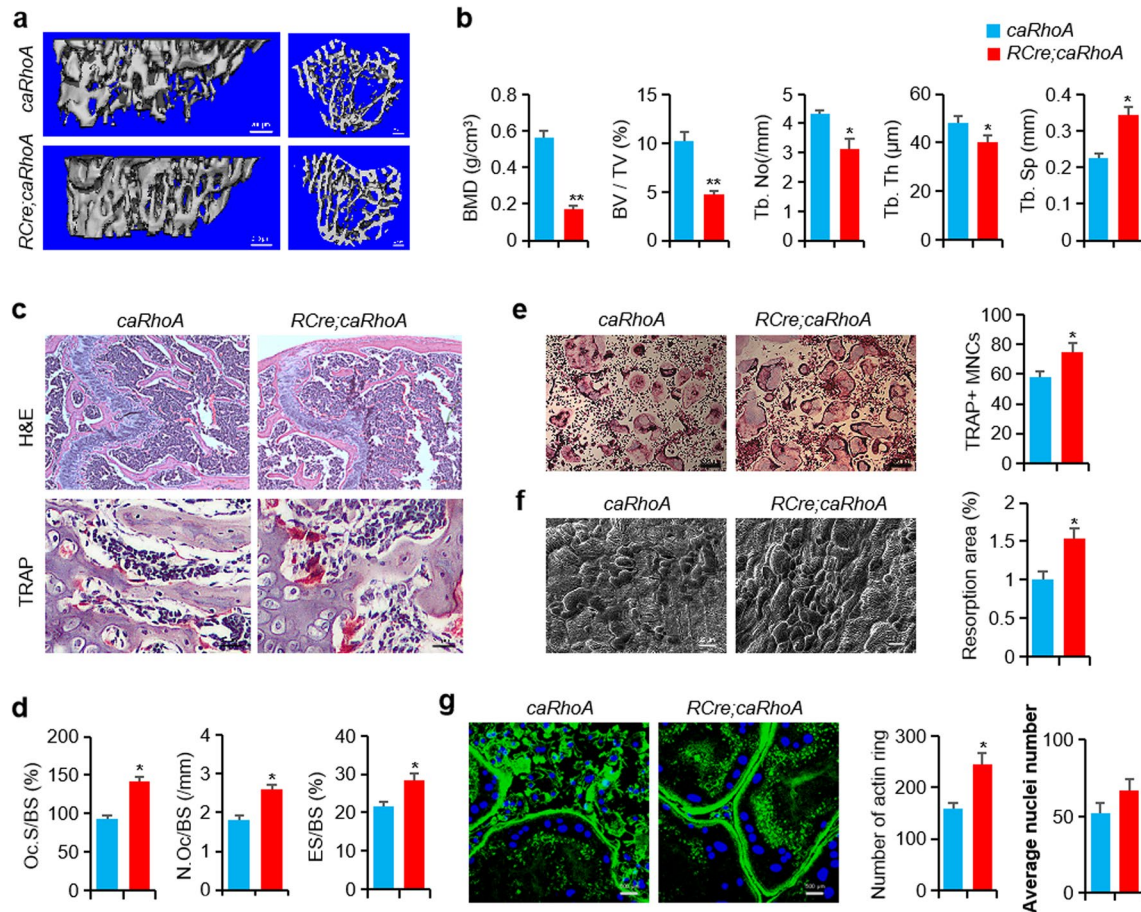


Fig. 5 In osteoclast precursors, RhoA gain-of-function reduced the bone mass and increases osteoclast activity. **a** Representative Micro-CT images of 3-month-old *caRhoA* and *LCre;caRhoA* mice tibias. **b** The parameters of tibias growth plate trabecular bone, n=6. **c** Representative H&E and TRAP staining images of mice femurs. Scale bars, 200 μm (H&E) and 20 μm (TRAP). **d** The parameters of femur osteoclasts, n=6. **e** Representative TRAP staining images of BMMs from *caRhoA* and *LCre;caRhoA* mice. Scale bars, 200 μm. **f** Representative Phalloidin staining images of BMMs, and the quantification of F-actin ring per well and nuclei per osteoclast, n=3, Scale bars, 100 μm. **g** SEM analysis and quantification of bone resorption area of bone slides, n=6, Scale bars, 20 μm. **h** Western blot of S6, p70-S6K and Akt phosphorylation in BMMs from *caRhoA* and *LCre;caRhoA* mice and treated with RANKL for 15 min. **i** Western blot of NFATc1 in BMMs from *caRhoA* and *LCre;caRhoA* mice and treated with RANKL for 24 h. Mean ± s.d., *P < 0.05, **P < 0.01, Student's t-test

Also, in Fig. S4, the image of H&E staining of *RCre;caRhoA* was incorrect. The correct Fig. S4 is given below:



Additional file 1: Figure S4. *RhoA* gain-of-function in the early stage of osteoclast differentiation enhanced osteoclast activity and decreases bone mass. (a) Representative Micro-CT images of 3-month-old *caRhoA* and *RCre;caRhoA* mice tibias. (b) The parameters of tibias growth plate trabecular bone, $n=6$. (c) Representative H&E and TRAP staining images of mice femurs. Scale bars, 200 μm (H&E) and 20 μm (TRAP). (d) The parameters of femur osteoclasts, $n=6$. (e) Representative TRAP staining images of BMMs from *caRhoA* and *RCre;caRhoA* mice. Scale bars, 200 μm . (f) SEM analysis and quantification of bone resorption area of bone slides, $n=6$, Scale bars, 20 μm . (g) Representative Phalloidin staining images and quantification of F-actin ring per well and nuclei per osteoclast, $n=3$, Scale bars, 500 μm . Mean \pm s.d., * $P < 0.05$, Student's t -test.

The authors confirm all results, and conclusions of this article remain unchanged. The authors apologize for this error and any confusion it may have caused.

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