

CORRECTION

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Correction: Reduction of NgR in perforant path decreases amyloid- β peptide production and ameliorates synaptic and cognitive deficits in APP/PS1 mice

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Following publication of the original article [1], the authors identified an error in Fig. 6C (a).

The corrected Fig. 6C(a) with the correct band and original data is given hereafter.

[†]Rong Jiang, Xue-Fei Wu and Bin Wang contributed equally to this work.

The original article can be found online at <https://doi.org/10.1186/s13195-020-00616-3>.

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The incorrect Fig. 6:

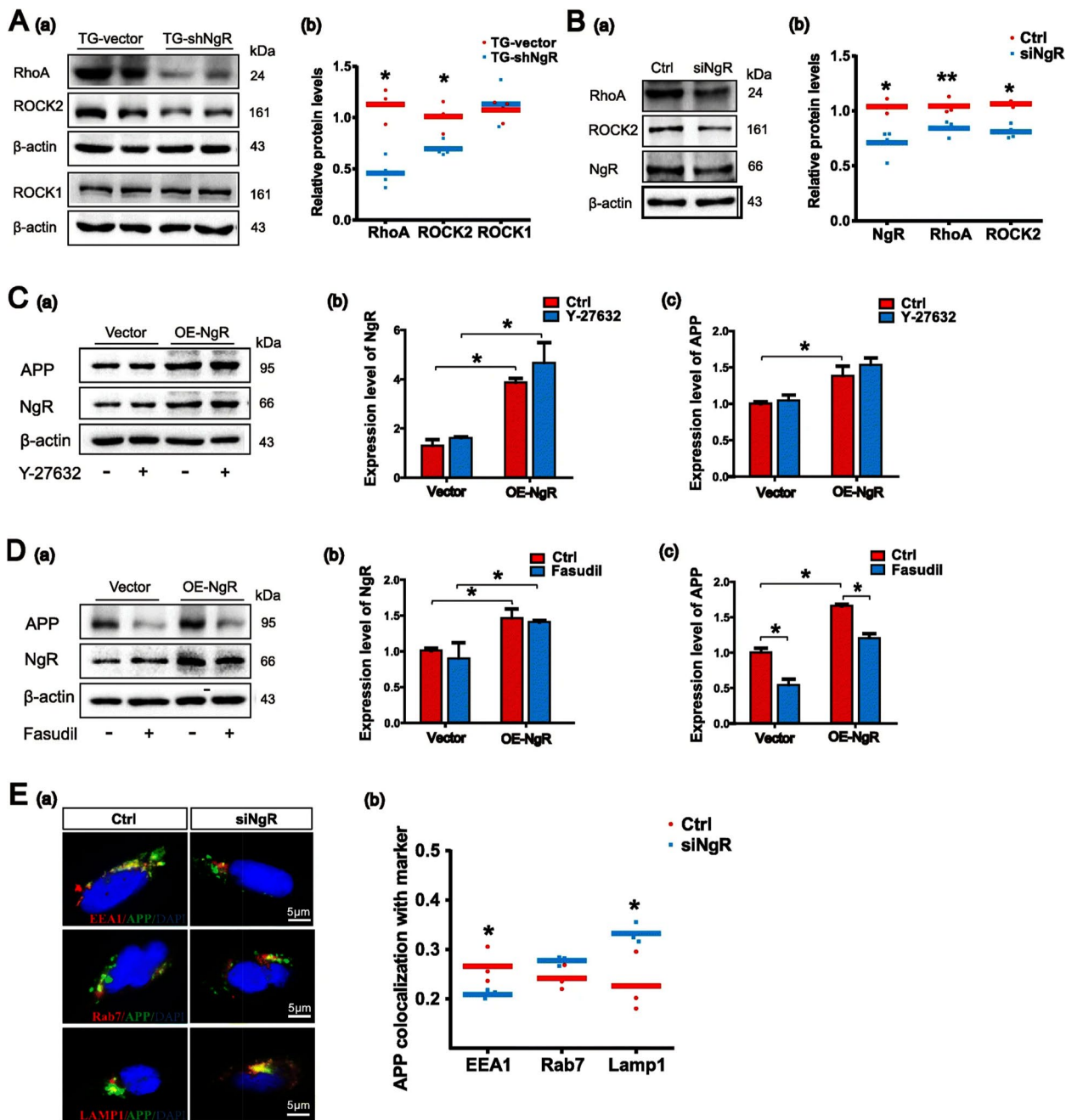


Fig. 6 NgR reduction promotes APP trafficking to lysosomes by Rho/ROCK2 pathway. **A** (a, b) Representative bands of the Western blot and densitometry analysis of RhoA, ROCK1, and ROCK2 levels in APP/PS1 transgenic mice. $n = 3-4$ male mice/group. **B** (a, b) Western blot analysis showing the expression levels of RhoA and ROCK2 following siRNA-induced downregulation of NgR in APPswe/HEK293 cells. **C**, **D** APPswe/HEK293 cells were transfected with plasmid to overexpress NgR and exposed to Y-27632 (50 μ M) and Fasudil (50 μ M) for 10 h. **C** (a-c) Representative bands of the Western blot and densitometry analysis of NgR and APP levels by incubating Y-27632. **D** (a-c) Representative bands of the Western blot and densitometry analysis of NgR and APP levels by incubating Fasudil. **E** (a) APP colocalization with the following organelle markers: EEA1, Rab7, and LAMP1 were evaluated after knocking down NgR in APPswe/HEK293 cells. Representative images of APP (green) and organelle markers (red), with colocalization (yellow), are shown in the merged and zoom-in image. **E** (b) Quantitative analyses of APP and organelle marker staining. Scale bars 5 μ m. Data are presented as mean \pm SEM. $n = 3-4$. The statistical analysis was performed by Student's *t* test and 2-way ANOVA. * $P < 0.05$; ** $P < 0.01$

The correct Fig. 6:

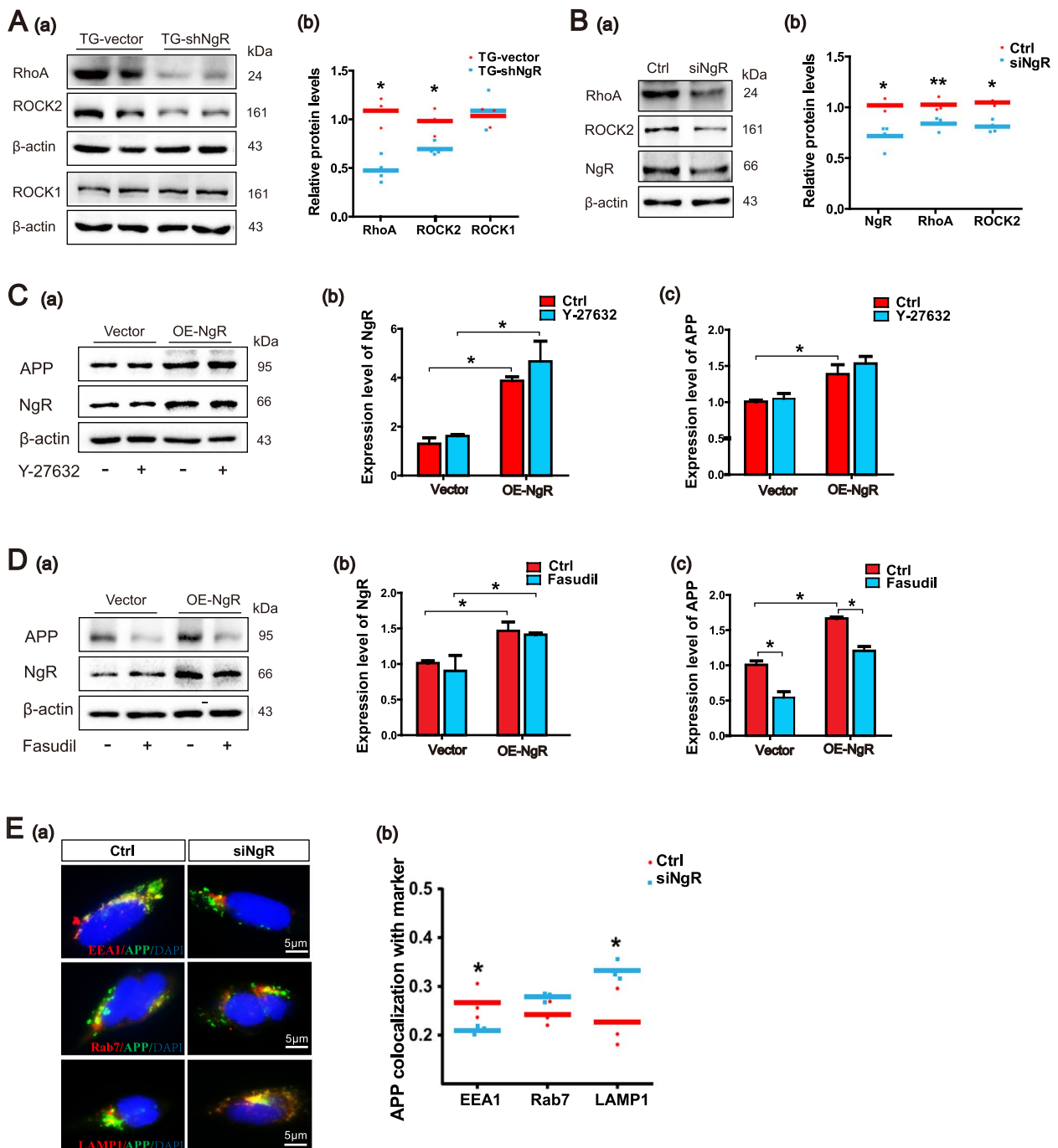


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Figure 6C(a) has been updated above and the original article [1] has been corrected.

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Reference

1. Jiang R, Wu XF, Wang B, et al. Reduction of NgR in perforant path decreases amyloid- β peptide production and ameliorates synaptic and cognitive deficits in APP/PS1 mice. *Alz Res Therapy*. 2020;12:47. <https://doi.org/10.1186/s13195-020-00616-3>.