

# Letter to the Editor, “Osterix Regulates Tooth Root Formation in a Site-specific Manner”

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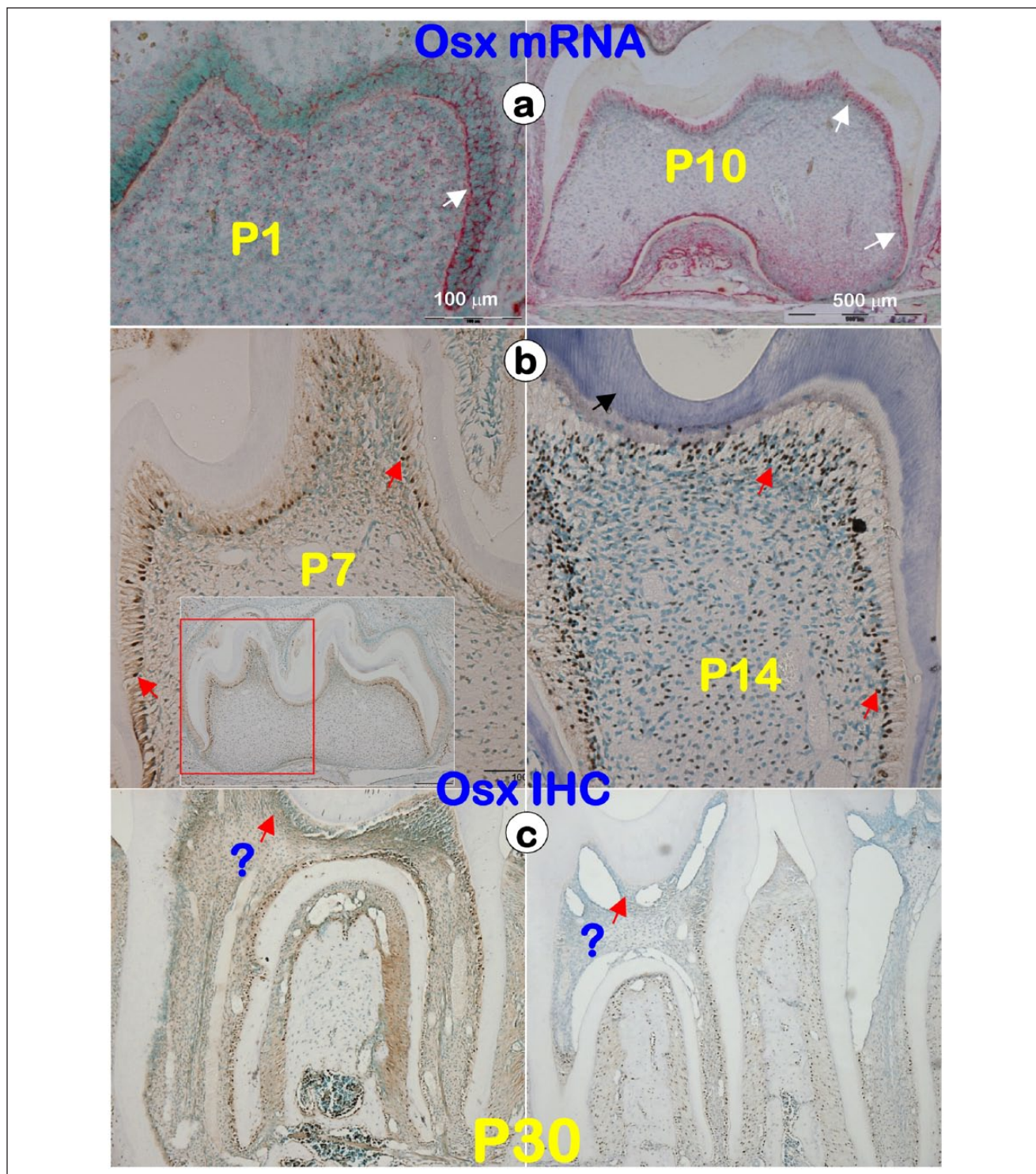
## Appendix

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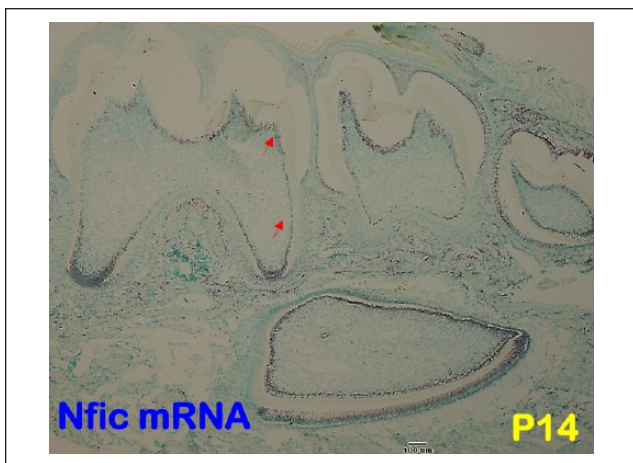
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**Appendix Figure 1.** *Osx* expression patterns during postnatal (P) development (in days). (a) In situ hybridization revealed a strong *Osx* signal (red and white arrows) in odontoblasts in both crown and root at P1 (left panel) and P10 (right panel). (b) Immunohistochemistry stains showed no apparent difference of OSX signals in both crown and root odontoblasts in P7 (left, red arrows, low and high magnification) and P14 (right, red arrows). (c) There are few positive OSX signals in crown odontoblasts (red arrows) in comparison with those in roots in 2 animal molars at P30, when crown dentin is already formed. The data do not support the view of a site-specific expression of OSX in molar, as suggested by Kim et al. (2015). IHC, immunohistochemistry.



**Appendix Figure 2.** *Nfic* expression patterns in both incisor and 3 molars at postnatal day 14. In situ hybridization revealed an even expression pattern of *Nfic* in both incisor and molar in all odontoblasts (red arrows).

### Appendix Reference

Kim TH, Bae CH, Lee JC, Kim JE, Yang X, de Crombrughe B, Cho ES. 2015. Osterix regulates tooth root formation in a site-specific manner. *J Dent Res.* 94(3):430–438.