

Supplementary Materials for

In vivo changes of nanoapatite crystals during bone reconstruction and the differences with native bone apatite

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Fig. S1. Crystallization and composition differences of bone apatite and HA-Tb nanocrystals.
Fig. S2. Partial lattice models of HA, HA-Tb, and H₂O-substituted HA.

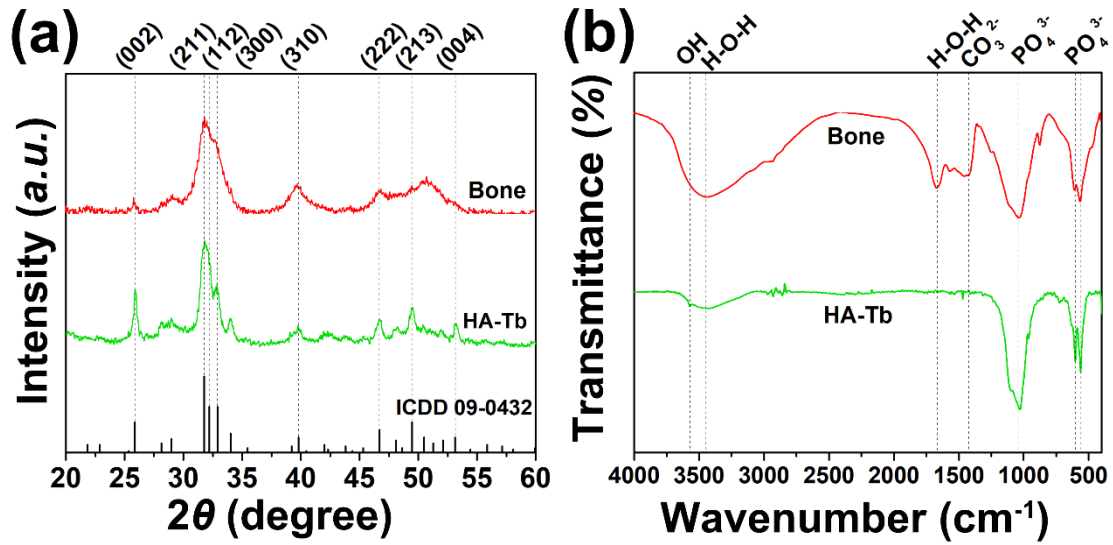


Fig. S1. Crystallization and composition differences of bone apatite and HA-Tb nanocrystals. XRD patterns (a) and IR spectra (b) of bone apatite and the synthetic HA-Tb nanocrystals showing their differences in crystallinity and in carbonate and hydroxyl peaks.

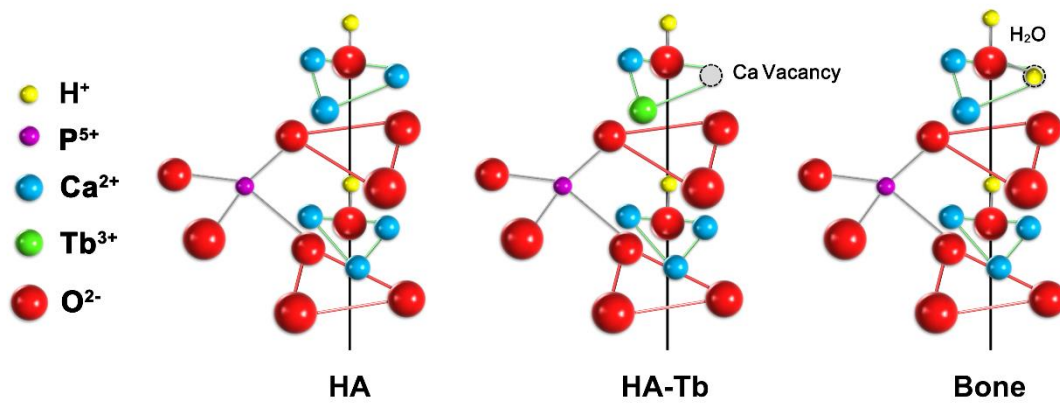


Fig. S2. Partial lattice models of HA, HA-Tb, and H₂O-substituted HA with a water molecule replacing an OH position and a Ca position.