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Anti-osteoclastic effect of caffeic acid phenethyl ester in murine macrophages depends upon the suppression of superoxide anion production through the prevention of an active-Nox1 complex formation

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Anti-osteoclastic effect of caffeic acid phenethyl ester in murine
macrophages depends upon the suppression of superoxide anion
production through the prevention of an active-Nox1 complex
formation[☆]

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Abbreviations: CAPE, caffeic acid phenethyl ester; **RANKL**, receptor activator of nuclear factor- κ B ligand; **TRAP**, tartrate-resistant acid phosphatase; **ROS**, reactive oxygen species; **Nox1**, NADPH (nicotinamide adenine dinucleotide phosphate) oxidase 1; **NF- κ B**, nuclear factor-kappaB; **AP-1**, activator protein-1; **I κ B**, inhibitory protein of NF- κ B; **NFATc1**, nuclear factor of activated T cells, cytoplasmic 1; **TRAF6**, tumour necrosis factor receptor-associated factor 6; **IKK**, I κ B kinase; **JNK**, c-jun N-terminal kinase.

[☆] Conflicts of interest: None.

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