Supplementary Materials

Mitogen- and stress-activated protein kinase 1 activates osteoclastogenesis in vitro and plays critical roles in bone destruction in vivo

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Supplementary Fig. 1 Knock-down of MSK1 in mature osteoclasts suppressed resorption activity. BMMs were cultured with M-CSF plus RANKL for 4 days on dentine slices. After transfection with si-control or si-MSK1, cells were cultured with M-CSF plus RANKL for another 3 days. The resorption pits were observed under a microscope (A) and eroded area was analyzed (B).
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Supplementary Fig. 2 MSK2 was activated upon RANKL stimulation. A and B: Serum-starved BMMs were treated with RANKL (500 ng/ml) for indicated times (A) or increasing doses of RANKL for 15 min. The phosphorylation of MSK2 was detected by Western blotting. Total MSK2 and \( \beta \)-actin served as a loading control.