



Supplementary Figure S1

Ebselen negatively controls osteoblast differentiation. (A) Primary osteoblasts were treated with various concentrations of ebselen for 7 days in the presence of 50 $\mu\text{g}/\text{mL}$ ascorbic acid (A.A) and 10 mM β -glycerol phosphate. ALP-positive cells were monitored by ALP staining (top). ALP activity is expressed as *p*-nitrophenol released (bottom). (B) Primary osteoblasts were treated with various concentrations of ebselen for 21 days. Calcium accumulations of osteoblasts were stained with ARS solution (top). The intensity of staining was quantified with cetylpyridinium chloride (CPC) (bottom). * $P < 0.05$ and *** $P < 0.001$ versus control group.