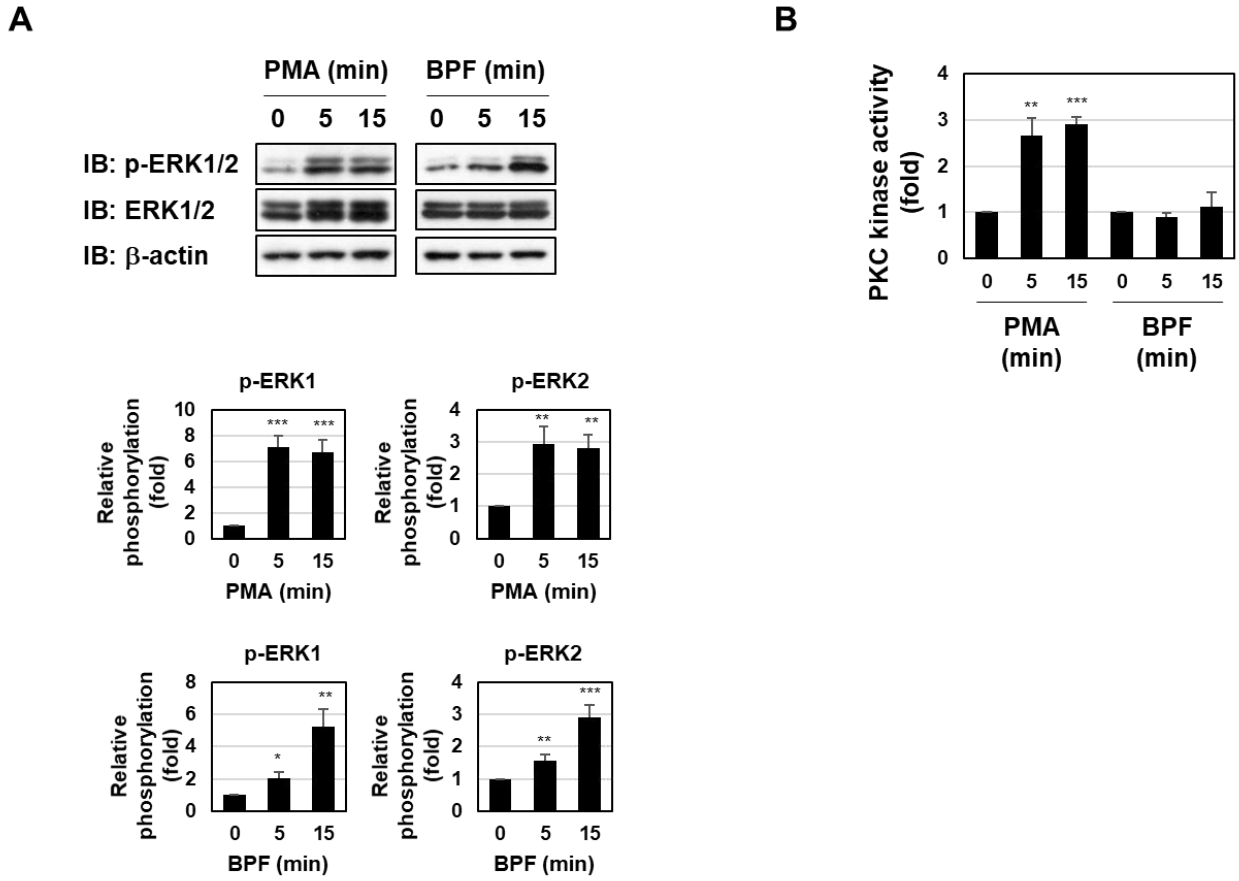



**Supplemental Figure S1.** BPF did not induce the activation of PKC in K562 cells.

K562 cells were treated with PMA (100 nM)(Nacalai Tesque, Kyoto, Japan) or BPF (10 μM) for the indicated periods. (A) Cell lysates were immunoblotted with an anti-phospho-ERK antibody, anti-ERK antibody, or anti-β-actin antibody. The relative phosphorylation levels of ERK1 and ERK2 were shown in the graphs. Graphs depict the mean ± SD. $^{*}P<0.05$, $^{**}P<0.01$, and $^{***}P<0.001$ indicate a significant difference from control cells. (B) The activity of PKC was measured using a PKC assay kit (Abcam, Cambridge, UK) Graphs depict the mean ± SD. $^{**}P<0.01$ and $^{***}P<0.001$ indicate a significant difference from control cells.