Supplementary data

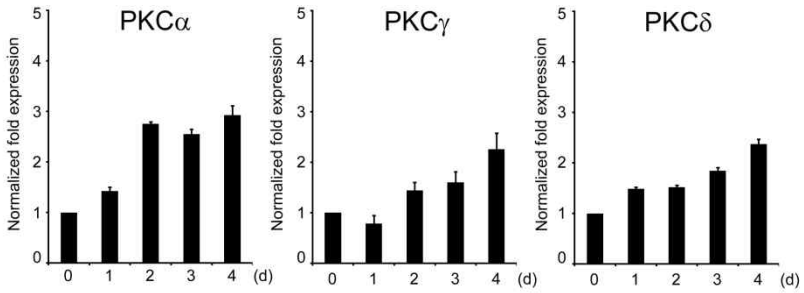

Figure S1. Expression level of PKC isoforms during RANKL-osteoclast differentiation.

BMMs were cultured with M-CSF and RANKL for the indicated time periods and expression level of PKC isoforms was analyzed for total mRNA by real-time PCR. GAPDH was used as an internal control for normalization. Data are means ± S.D. of PKC isoform/GAPDH.

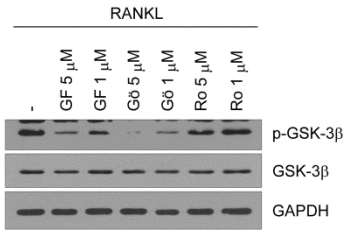

Figure S2. Inhibiting PKCα and β decreased GSK-3β phosphorylation in response to RANKL.

Effects of PKC inhibitors on GSK-3β phosphorylation at Ser-9. BMMs were cultured with M-CSF and RANKL for 2 days. The PKC inhibitors, GF109203X, Gö6976, and Rottlerin were added 1 h prior to harvest. Whole cell lysates were analyzed by Western blotting using specific antibodies for p-GSK-3β, GSK-3β, and NFATc1. Anti-GAPDH was used as the loading control.

Table S1. Real-time PCR primers

Gene	Forward	Reverse
PRKCA	5’-CCCATTCCAGAAGGAGATGA-3’	5’-TTCCTGTCAGCAAGCATCAC-3’
PRKCB	5’-TCCCTGATCCCAAAAGTGAG-3’	5’-AACTTGAACCAGCCATCCAC-3’
PRKCG	5’-ACCAGGGCATCATCTACAGG-3’	5’-CTTCCTCATCTTCCCCATCA-3’
PRKCD	5’-CAGACCAAGGACCACCTGTT-3’	5’-GCATAAAACGTAGCCCGGTA-3’
Actb	5’-TGGAATCCTGTGGCATCCATGAAA-3’	5’-TAAAACGCAGCTCAGTAACAGTCC-3’