Supplementary Figure S1. The integrity of microtubules is necessary for STIM1 membrane trafficking and the interaction with Oral1. A-C, Time-lapse confocal images with serial Z-section scanning of cervical cancer SiHa cells expressing EGF-STIM1. Cells were preincubated with 0.1% DMSO, 0.5 μg/ml cytochalasin D or 5 μg/ml colcemid for 30 min prior to 100 ng/ml EGF stimulation. Lower Panel: the enlargement of area indicated by rectangles in whole cell images. Scale bar: 10 μm. D-F, The interaction between STIM1 and Oral1 at juxtamembrane regions depends on microtubule network. Cells were simultaneously stained with STIM1, Oral1, α-tubulin and nucleus. The enlargement of area indicated by rectangles was shown in E. Arrow head: the aggregation of STIM1. Dashed circle: the area for pixel-by-pixel analysis of STIM1 and Oral1 colocalization shown in F. Each value represents mean±SEM from at least 20 different cells. *P<0.01 compared with control group.