Figure S1. Autophagy flux assay using CAL27-GFP-LC3-mCherry-LC3ΔG. Representative images of CAL27-GFP-LC3-mcherry-LC3ΔG cells assessed in Fig. 3A were shown. Cells were treated with the indicated reagents for 24 h. Scale bar, 100 μm. RCS, ricolinostat; BTZ, bortezomib; Rapa, rapamycin; Baf, bafilomycin A1.

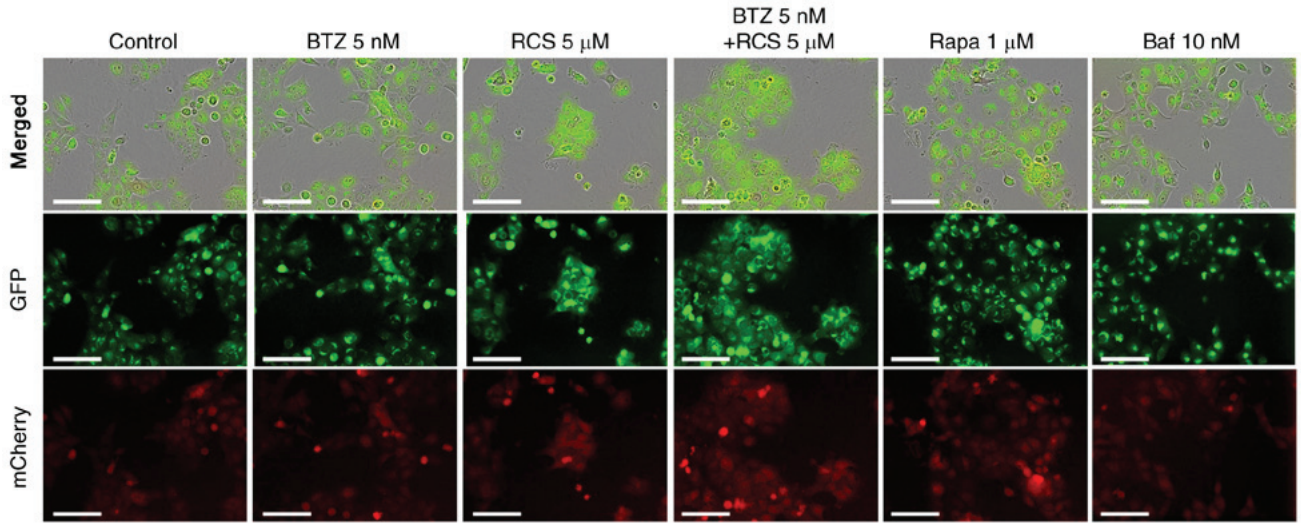

Figure S2. Transmission electron microscopy of CAL27 cells after treatment with BTZ and/or RCS. CAL27 cells were untreated or treated with BTZ (5 nM) and/or RCS (5 mM) for 24 h. The lower panels reveal enlarged images of the section indicated by the square box in the upper panels. N denotes nucleus. Scale bar, 6 μm for upper panels and 1 μm for lower panels. RCS, ricolinostat; BTZ, bortezomib.

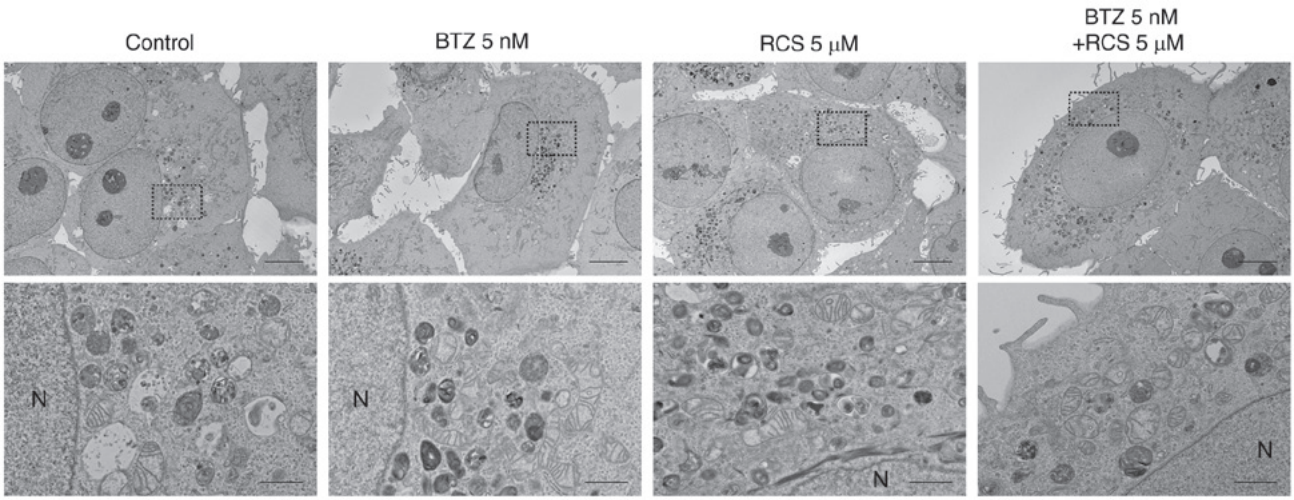

Figure S3. Immunofluorescence of acetylated-a-tubulin in CAL27 cells. CAL27 cells were untreated or treated with BTZ (5 nM) and/or RCS (5 mM) for 24 h. Immunofluorescence was determined using anti-acetylated a-tubulin mAb. DAPI staining shows the position of the nucleus. Scale bar, 10 μm. RCS, ricolinostat; BTZ, bortezomib.