ESM Fig. 2 Both H-89 and Rp-cAMPS inhibit the first and second phases of glucose-stimulated insulin secretion. Insulin release from rat islets was stimulated with glucose for 30 min and measured at 5 min and 30 min by ELISA. H89 (15 μmol/l) or Rp-cAMPS (100 μmol/l) was preincubated for 15 min. For control, **p<0.01 compared with non-stimulated cells; for H-89 and Rp-cAMPS, **p<0.01 compared with glucose (only)-stimulated cells at the same time point (5 or 30 min) after incubation.