

Hoque et al., <http://www.jgp.org/cgi/content/full/jgp.200910339/DC1>

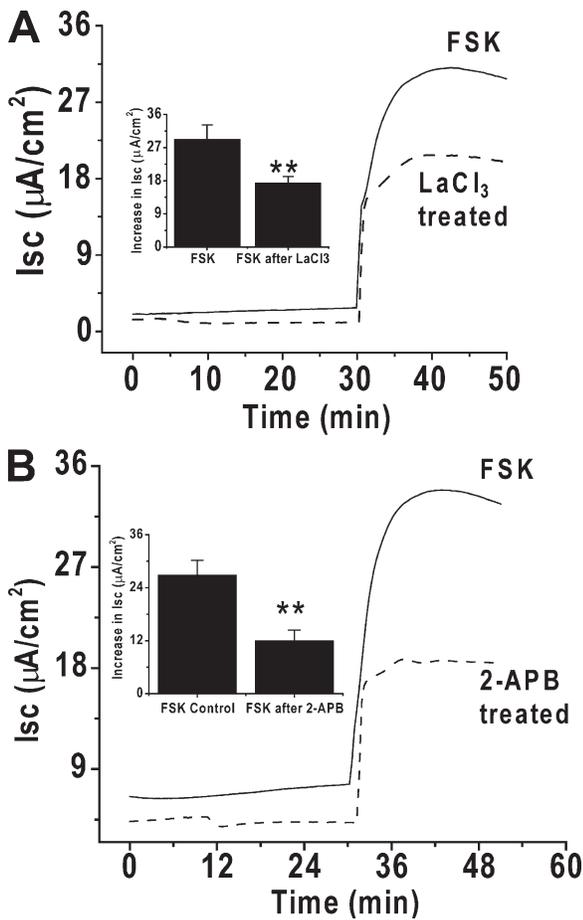


Figure S1. Sources of Ca^{2+} in response to FSK-stimulated Cl^- secretion in T84 cells. (A) Effect of $LaCl_3$. Cells were preincubated with 200 μM $LaCl_3$ for 30 min, and thereafter 10 μM FSK was added. (B) Effect of 50 μM 2-APB. Cell monolayers were preincubated with 2-APB for 30 min, and FSK was then added. Increase in I_{sc} was derived from the I_{sc} value present before and after the addition of FSK. Values are means \pm SE ($n = 6$). Statistical comparisons between means were performed using Student's t test. **, $P < 0.01$ compared with FSK control group.

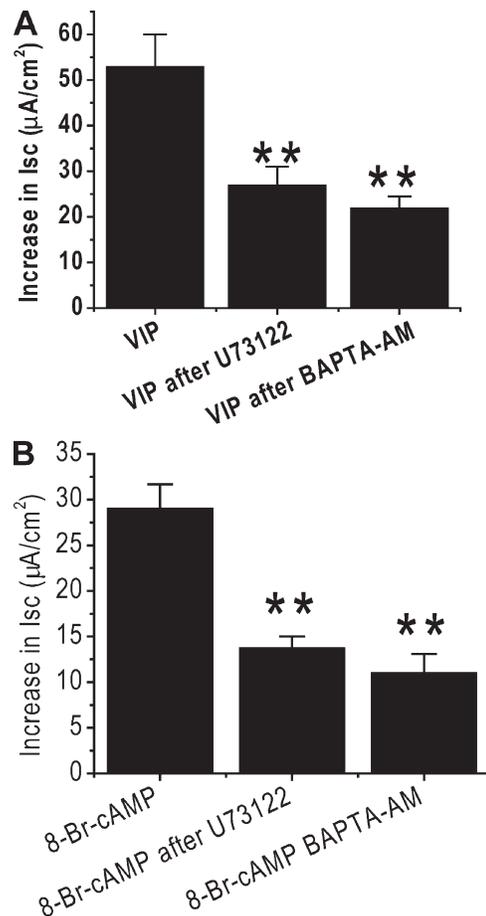


Figure S2. Effect of U73122 and BAPTA-AM on (A) VIP-stimulated Cl^- secretion and (B) 8-Br-cAMP-stimulated Cl^- secretion in T84 cells. Cells were preincubated with either 10 μM U73122 or 25 μM BAPTA-AM for 30 min, and thereafter I_{sc} was stimulated by serosal addition of 100 nM VIP or 100 μM 8-Br-cAMP. An increase in I_{sc} was derived from the I_{sc} value before and after the addition of VIP (A) or 8-Br-cAMP (B). **, $P < 0.01$ compared with the control group. Statistical comparisons between means were performed using Student's t test.

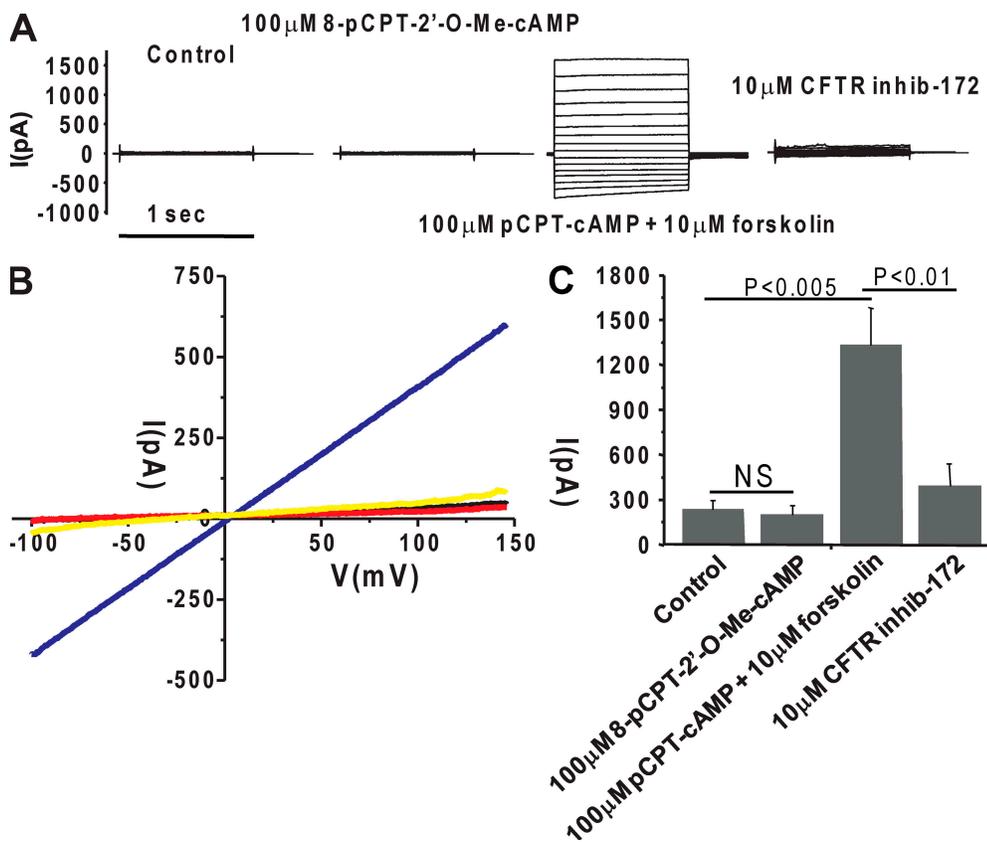


Figure 53. 8-pCPT-2'-O-Me-cAMP does not activate CFTR. (A) Representative whole cell recordings of a CHO cell transiently transfected with human CFTR before and after a 10-min exposure to 0.1% DMSO control, 100 μ M 8-pCPT-2'-O-Me-cAMP, 100 μ M pCPT-cAMP plus 10 μ M FSK, or 10 μ M CFTRinh-172. (B) Representative instantaneous I/V relation generated using a voltage ramp (-100 to +150 mV; 300 msec) demonstrates the linear nature of the pCPT-cAMP/FSK-activated current (DMSO control [black]; -100 μ M 8-pCPT-2'-O-Me-cAMP [red], -100 μ M pCPT-cAMP/10 μ M FSK [blue], and -100 μ M pCPT-cAMP/10 μ M FSK plus 10 μ M CFTRinh-172 [yellow]). (C) Mean current amplitudes at +125 mV after 10-min exposure to 100 μ M 8-pCPT-2'-O-Me-cAMP, 100 μ M pCPT-cAMP/10 μ M FSK, and/or 10 μ M CFTRinh-172. Data are expressed as mean \pm SEM ($n = 3$). NS, not significant.