SUPPLEMENTARY ONLINE DATA

AKAP79, PKC, PKA and PDE4 participate in a G_q-linked muscarinic receptor and adenylate cyclase 2 cAMP signalling complex

Jia X. SHEN* and Dermot M. F. COOPER*1

*Department of Pharmacology, University of Cambridge, Tennis Court Road, Cambridge CB2 1PD, U.K.

Figure S1  Rescuing the effect of AKAP79 knockdown by overexpressing AKAP150

(A) HEK-AC2 cells (n = 42) and those cells co-transfected with shRNA-AKAP79 (n = 44) or shRNA-AKAP79 + AKAP150 (n = 51) were stimulated with 10 μM carbachol (CCh) at 60 s for 4 min before saturating the sensor by a maximal stimulation (Maxi: 10 μM forskolin, 10 μM isoprenaline and 100 μM IBMX) at 300 s for 2 min. Data are plotted as relative FRET ratio changes with R0 taken at 0 s, and R/R0 is then normalized to the maximum signal response. (B) The AUC (area under the curve) between 180 and 300 s from (A). **P < 0.01.

Received 8 March 2013/25 July 2013; accepted 29 July 2013
Published as BJ Immediate Publication 29 July 2013, doi:10.1042/BJ20130359

1 To whom correspondence should be addressed (email dmfc2@cam.ac.uk).