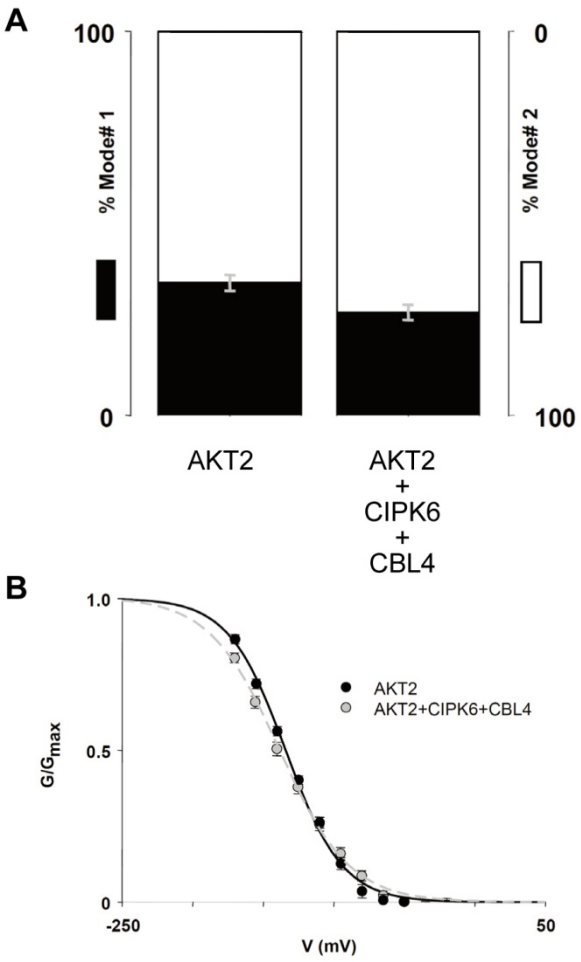

C

expressed proteins	conductance (pS)
AKT2	21.2 ±3.29 (n=3)
AKT2 + CIPK6 + CBL4	18.7±1 (n=3)

Supplementary information, Figure S2 AKT2 channel voltage gating is not changed by CIPK6+CBL4.

(**A**) Proportion of time-dependent (gating mode#1, black) and instantaneous (gating mode#2, white) currents (with respect to the total current) recorded at –155 mV in oocytes expressing *AKT2* or *AKT2+CIPK6+CBL4*. Data were normalized by the mean of the total current (mode#1+mode#2) recorded at –155 mV and are displayed as means ±SE (n=38 for *AKT2* and n=35 for *AKT2+CIPK6+CBL4*). (**B**) Voltage-gating of the time-dependent fraction of the AKT2 current is not changed by CIPK6+CBL4. The relative conductance (G/Gmax) values were obtained as described in Dreyer et al. (2001) from at least 3 independent experiments on

oocytes expressing either *AKT*2 only or *AKT*2+*CIPK*6+*CBL*4. Symbols represent means ±SE (*AKT2*: n=29, *AKT2*+*CIPK6*+*CBL4*: n=28). Curves represent best fit to the data of a Boltzmann equation (AKT2: zg=1.26; Ea50=-134 mV, full black line; AKT2+CIPK6+CBL4: zg=1.03; Ea50=-139 mV; dotted gray line). (**C**) AKT2 unitary conductance is not affected by CIPK6-CBL4. Conductance values were obtained from a cell attached patches of oocytes clamped at –140 mV and expressing *AKT2* alone or *AKT2* with *CIPK6* and *CBL4*. Data are means ±SE. Oocytes were maintained in an external solution of 100mM K^+ (in the bath and the pipette).