

FIGURE S1. MRM assay for PKCo phosphorylation at Thr²⁹⁵ and Ser³⁵⁹ (a novel phosphorylation site in the Glyrich ATP binding loop). A and B: Total lon Chromatographs (XIC) are shown for 4 peptides, phosphorylated Thr²⁹⁵ (LLAEALNQVT(phospho)QR), phosphoryläted Sér³⁵⁹ (VLGKGS(phospho)FGK) and their counterparts LLAEALNQVTQR and VLGKGSFGK in WT-PKCo and PKCo- Δ C2, respectively. It is worth noting that VLGKGSFGK (**un**phosphorylated Ser³⁵⁹ peptide) ionizes poorly in the MS instrument. While it is detected (elution time ~16 mins), levels are below the lower limit of quantification. C and D: MRM spectrum of the phosphorylated peptide LLAEALNQVT(phospho)QR in WT-PKCδ (**C**) and $PKC\delta - \Delta C2$ (**D**). **E** and F: MRM spectrum of the phosphorylated peptide VLGKGS(phospho)FGK in WT-PKCo This peptide is undetectable in (**E**). PKCδ- Δ C2 (**F**) zoomed chromatographs are depicted in inserts.