

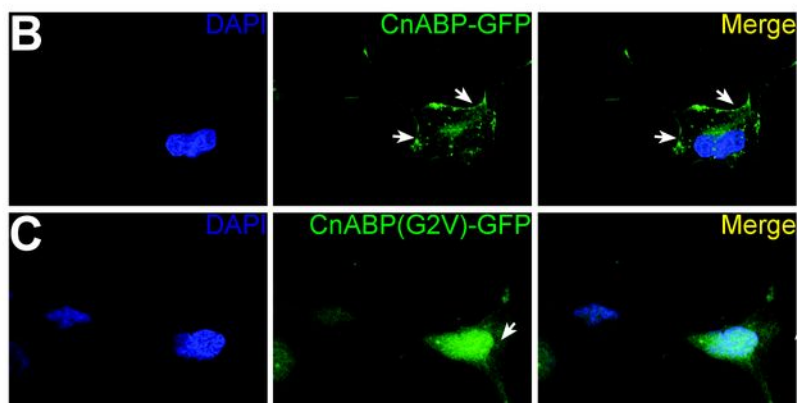
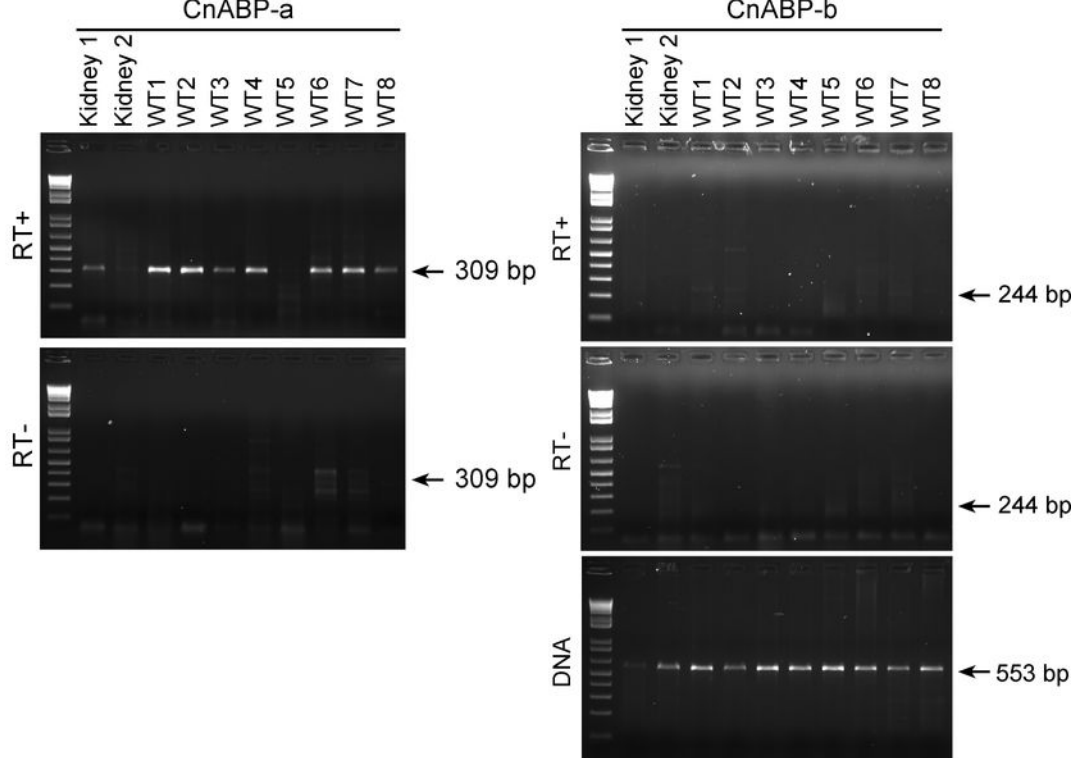
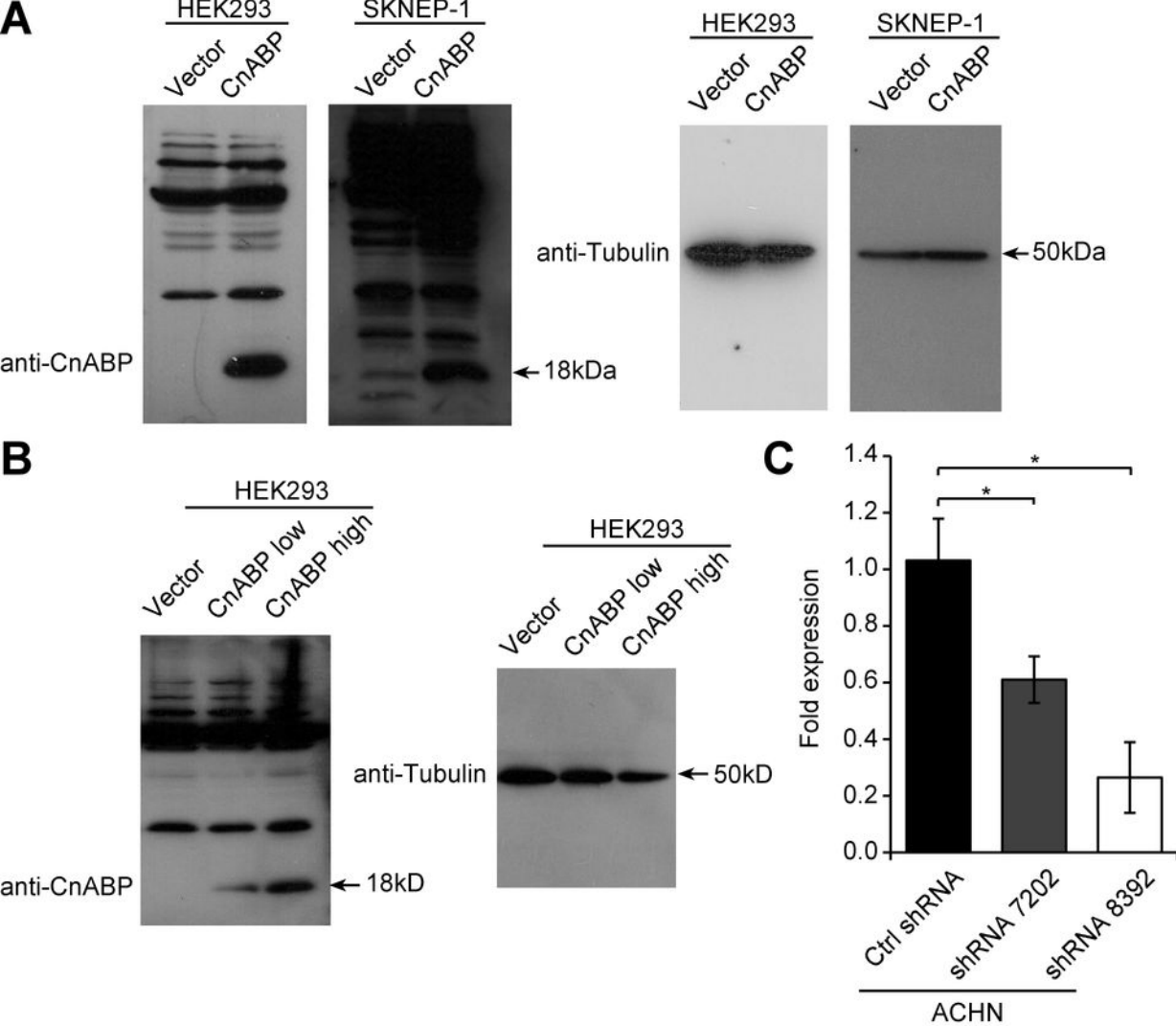
**A**

Figure S1 - Nguyen



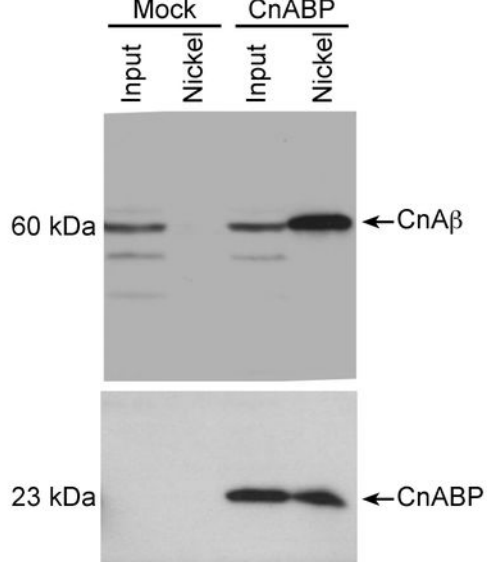
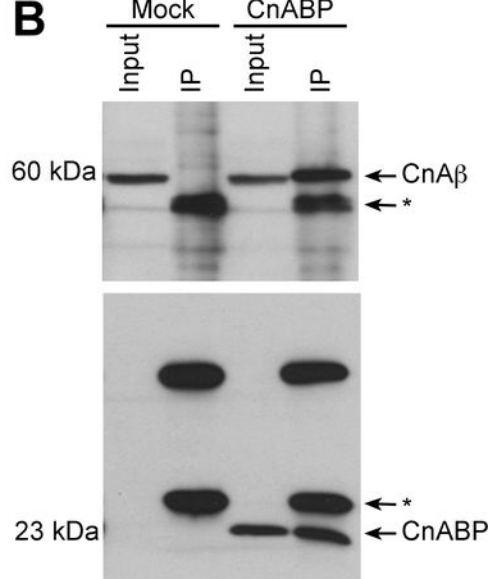
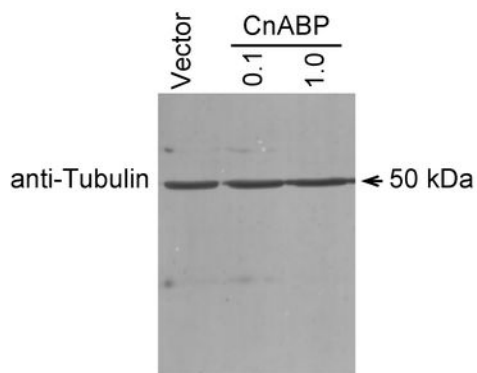
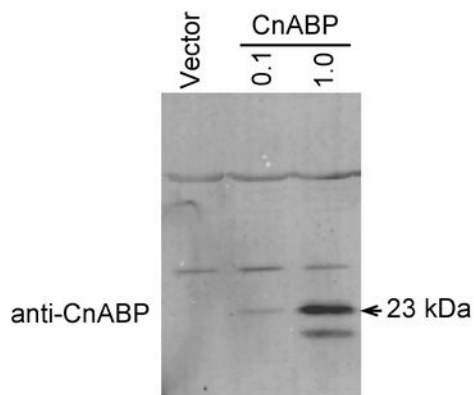
**A****B****C**

Figure S3 - Nguyen

**Supplementary Figure 1 – CnABP cellular and embryonic expression.** (A) Full-length gels of Figure 2B. (B) CnABP-GFP fusion protein accumulated at the plasma membrane. To clarify whether this localization was dependent on the conserved myristoylation consensus site present in N-terminus of CnABP, we generated a CnABP-GFP fusion protein where the critical lipid-anchored glycine (G) residue in position 2 is substituted for valine (V). (B) CnABP(G2V) fails to localize at the plasma membrane and accumulates mostly in the nucleus and cytoplasm.

**Supplementary Figure 2 –** (A) Overexpression of CnABP in HEK293 and SKNEP-1 cell lines. Cells were transfected with pCDNA4 or pCDNA4-CnABP and selected with Zeocine for 2 weeks. Western blot shows ectopic CnABP protein expression in these cells. (B) HEK293 cells were transfected with *CnABP* or vector control. Cells were sorted according to expression levels of a co-transfected *pEGFP* reporter construct. WB shows differential CnABP expression levels according to GFP sorting. (C) Knockdown of CnABP by shRNA in ACHN cells. QPCR demonstrates reduction of CnABP transcript levels by 35% ( $P<0.05$ ) and 75% ( $P<0.05$ ) for shRNA 7202 and 8392, respectively. \* ( $P<0.05$ ) indicates statistical significant differences.

**Supplementary Figure 3 –** (A) Full-length blots of Figure 6A. (B) Full-length blots of Figure 6B. (C) Full-length blots of Figure 6C.