



**Figure S11** Mutation of the aromatic finger does not alter targeting of Barkor or PI3KC3 to endoplasmic reticulum (ER). **(A)** Shown here are cellular fluorescence staining patterns for Barkor and PI3KC3. Barkor-YFP, PI3KC3-YFP, and calreticulin were stained in normal HeLa cells (Control), Beclin 1 knockdown HeLa cells (Beclin 1 KD), and Beclin 1 knockdown cells with stable expression of either WT or mutant (F359D/F360D/W361D) Beclin 1. **(B)** The expression levels of Barkor or PI3KC3 are similar in the four different types of HeLa cells. Shown here are Western blot results of Barkor, PI3KC3, Beclin 1, and actin.