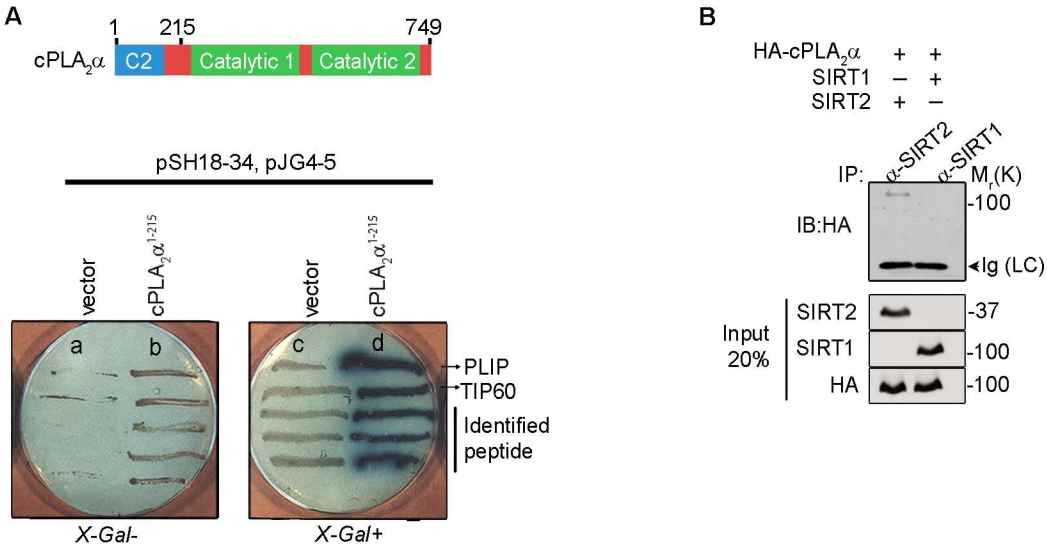
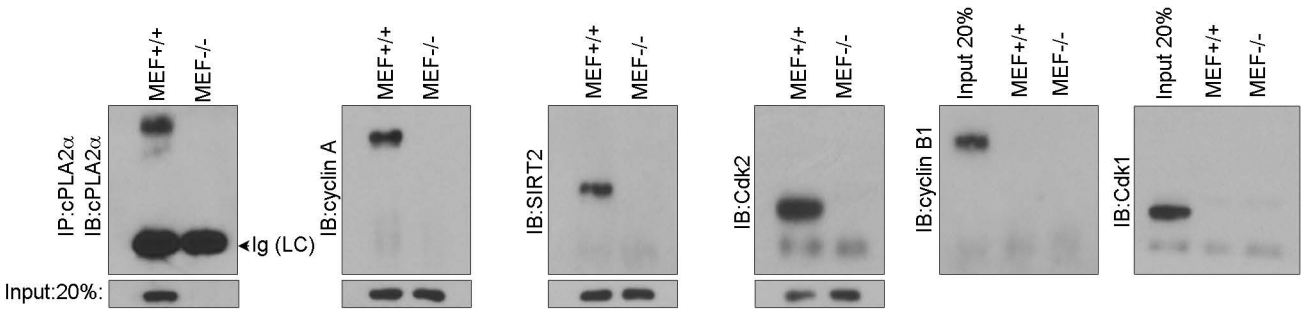


Suppl. Figure 1



Suppl. Figure 2

Supplementary Figure 1.

(A) (Upper panel) schematic illustration of domain structures of cPLA$_2$α (C2; calcium-binding domain). (Lower panel) EGY48 strain of yeast were transformed with the reporter plasmid pSH18-34, which contains LacZ with upstream LexA operators, and with the pJG4-5 vector containing PLIP, TIP60 and three cDNA clones identified to interact with cPLA$_2$α$^{1-215}$ by the two hybrid interaction trap method. Yeast were also transformed with a vehicle plasmid (LexA-Bicoid) (a, c), or LexA-cPLA$_2$α$^{1-215}$ (b, d), and grown in medium with or without X-Gal.

(B) Interaction of HA-cPLA$_2$α with SIRT2 but not SIRT1 in HEK293 cell lysates using anti-SIRT2 and anti-SIRT1 antibodies respectively.

Supplementary Figure 2.

cPLA$_2$α was immunoprecipitated from WT and *cpla$_2$α$^{-/-}$* MEFs, and presence of cyclin A, SIRT2, Cdk2, cyclin B1, and Cdk1 were examined in the immunoprecipitates.

Movies 1-3

Movie of the control HEK293 cells treated with scrambled siRNA (Movie 1), HEK293 cells treated with cPLA$_2\alpha$ (movie 2), or SIRT2 siRNAs (Movie 3) presented in Figure 5F. DNA was visualized by YFP-H2B. The cells were filmed from G2 phase until end of cytokinesis. Frames were collected at 5-min intervals. The display rate is 3 frame per second.