SUPPLEMENTAL FIGURE LEGENDS

Figure S1. Li, P.,*et al*

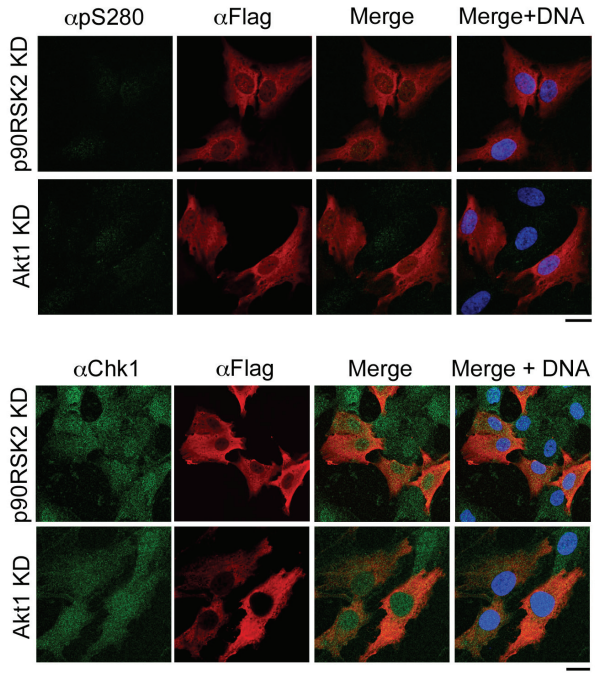

Figure S1. Effects of kinase-dead mutant of p90 RSK2 or Akt1 on Chk1 phosphorylation and localization. Tet-On RPE1 cell line was cultured in the serum-free medium for 48 h. After treatment, cells were cultured in a serum-free medium with 100 ng/ml Dox for 6 h. Cells were stained with αpS280 or αChk1 (green) in addition to αFlag (red) and DAPI (blue). Scale bar; 10 μm.

Figure S2. Li, P., et al.

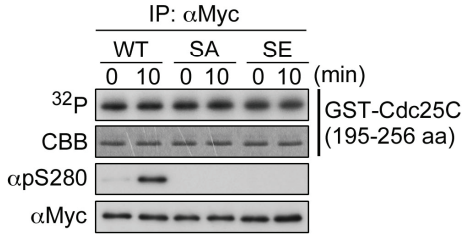

Figure S2. Chk1-Ser280 phosphorylation has little impact on its catalytic activity. Tet-On RPE1 cell line was cultured in the serum-free medium containing Dox for 48 h. After serum starvation, cells were incubated in the growing medium for 0 or 10 min. After treatment, cells were subjected to αMyc immunoprecipitation. Myc-Chk1 kinase activity was measured as described previously (Kasahara *et al.*, 2010).

SUPPLEMENTAL REFERENCE

Kasahara, K., Goto, H., Enomoto, M., Tomono, Y., Kiyono, T., and Inagaki, M. (2010). 14-3-3γ mediates Cdc25A proteolysis to block premature mitotic entry after DNA damage. EMBO J *29*, 2802-2812.