



Supplementary Fig. 1. Mitochondrial ribosomal protein L14 (MRPL14) overexpression affects the progression of papillary thyroid cancer cells. To evaluate the effect of MRPL14 overexpression, B-CPAP cells were transfected with MRPL14 or negative control pCMV6 for 48 hours. (A) The expression of MRPL14 was detected by immunoblot analysis. (B) Cell proliferation was analyzed using the CCK-8 proliferation assay. (C) The expression of caspase3, Bax and Bcl-xl were examined by Western blot analysis. (D) B-CPAP cells were permitted to migrate for 24 hours in transwell chambers (migration). The migrated cells were counted under an optical microscope. 1% Crystal violet staining. (E) The expression of Slug, Snail, E-cadherin, N-cadherin, and vimentin was studied by immunoblot analysis. Values are presented as the mean ± standard deviation of three independent experiments. * $P < 0.05$.