



Supplementary Figure 1. High MiR-483 decreases lower survival in patients and increases normal cell growth, migration and invasion and Pard3 knockdown increases normal thyroid cell growth, migration and invasion. **(a)** Receiver operating characteristics (ROC) curve analyzed miR-483 in thyroid cancer tissues. MiR-483 yielded an AUC (the areas under the ROC curve) of 0.740 (95 % CI 0.631–0.850; $p = 0.002$). **(b)** Kaplan–Meier analyzed the relationship of miR-483 expression and survival of thyroid cancer patients. ($*p < 0.0147$, Log-rank test). Nthy-ori 3-1 cells were transfected with mimics NC and miR-483 mimics, or scr and Pard-shRNA2#/3#, respectively. **(c, e, f)** Cell growth was determined by the CCK-8 assay ($*p < 0.05$, $**p < 0.01$, one-way ANOVA). **(d, g, h)** Cell migration and invasion were assessed by Transwell assays ($*p < 0.05$, $**p < 0.01$, Student’s t -test). $N = 3$ independent experiments with triplicate biological replicates for each line.