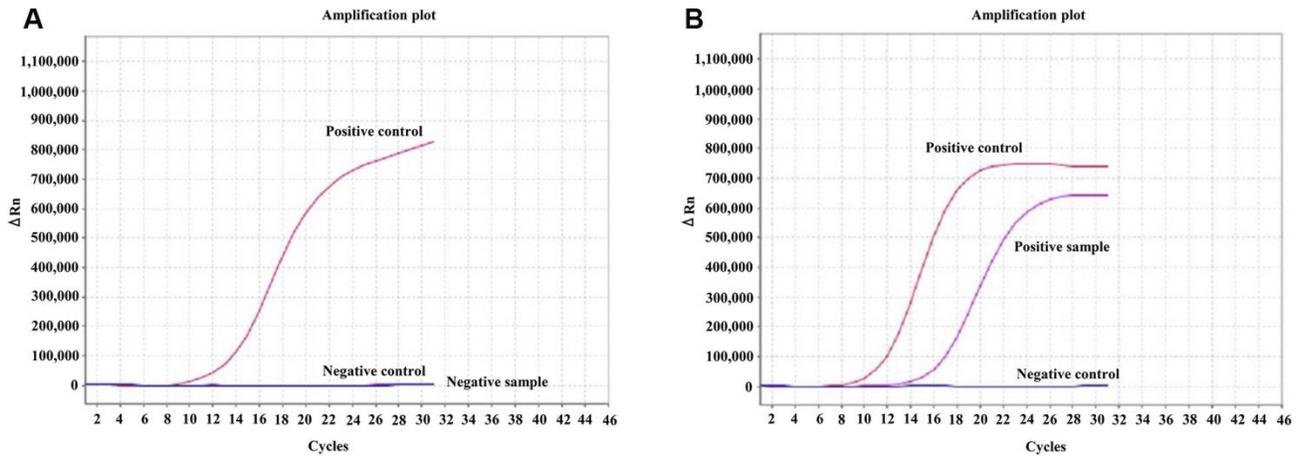
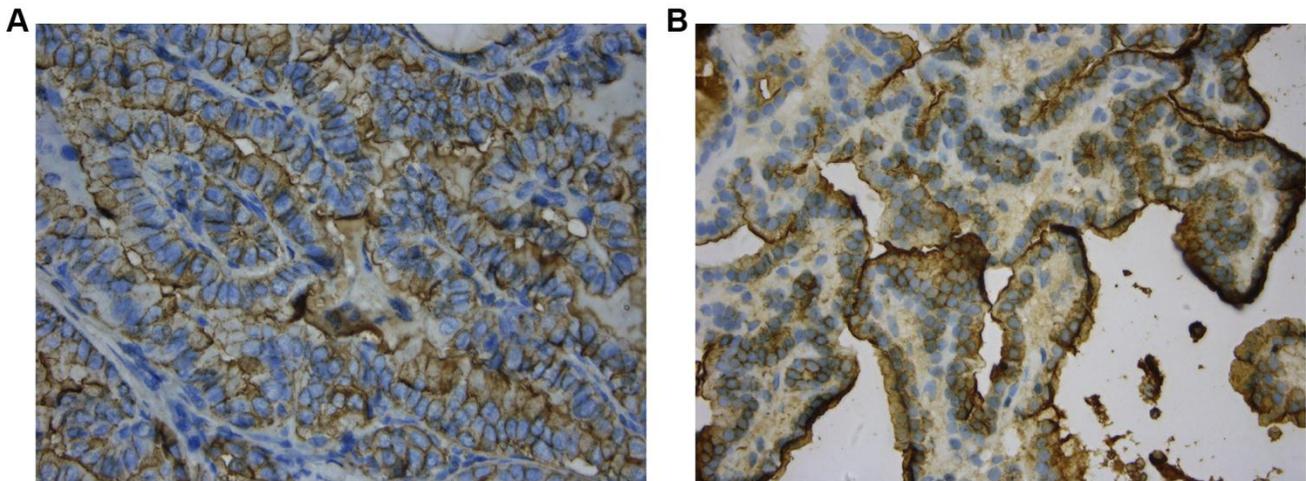


## SUPPLEMENTARY FIGURES



**Supplementary Figure 1. Identification of BRAF mutations.** (A) Sample curve with the wild-type BRAF gene. (B) Sample curve with the mutant BRAF gene.



**Supplementary Figure 2.** In some patients, we also found some ambiguous staining of HBME1, which were concentrated in the benign nodules and non-staining in the malignant nodules (A) Diffusely positive HBME-1 cytoplasmic with membranous staining and luminal accentuation is shown in a patient with papillary thyroid carcinoma (X100). (B) Diffusely positive HBME-1 cytoplasmic with membranous staining and luminal accentuation is shown in thyroid nodule tissues (X100).