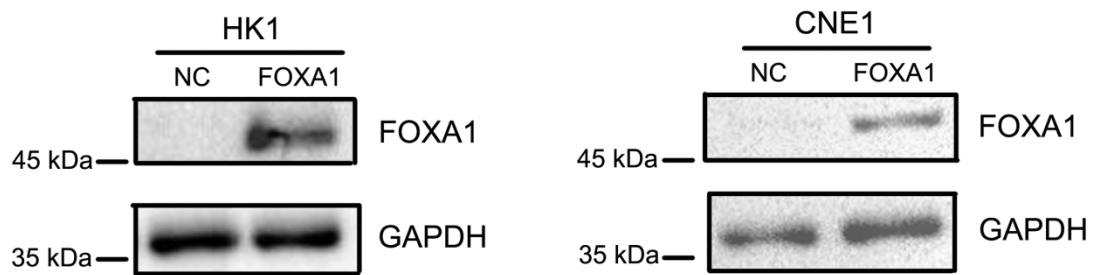
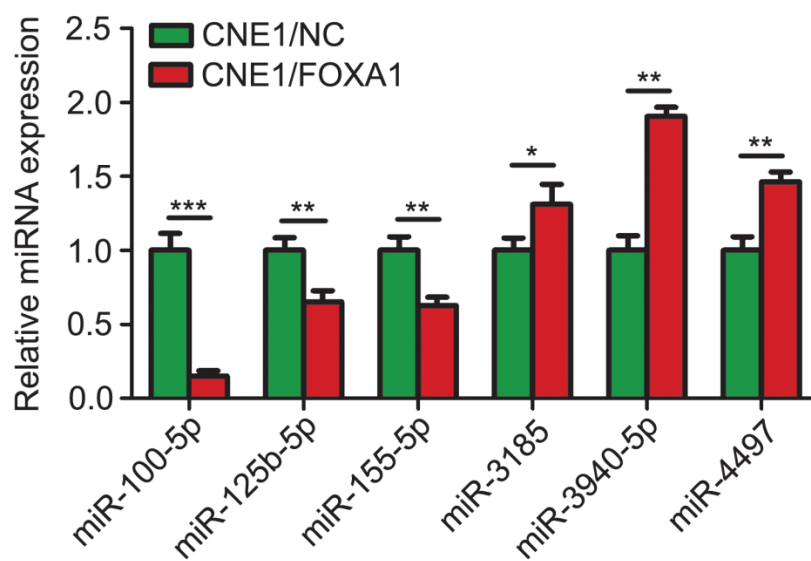


## Supplementary materials



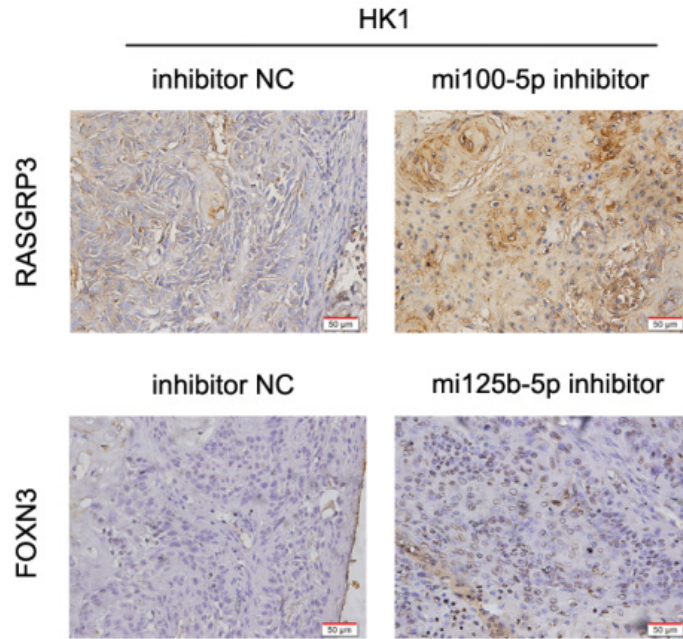
**Figure S1. Protein level of FOXA1 in HK1 and CNE1 cells overexpressing FOXA1.**

Western blot assays showed that FOXA1 protein levels were overexpressed in HK1/FOXA1 and CNE1/FOXA1 cells.



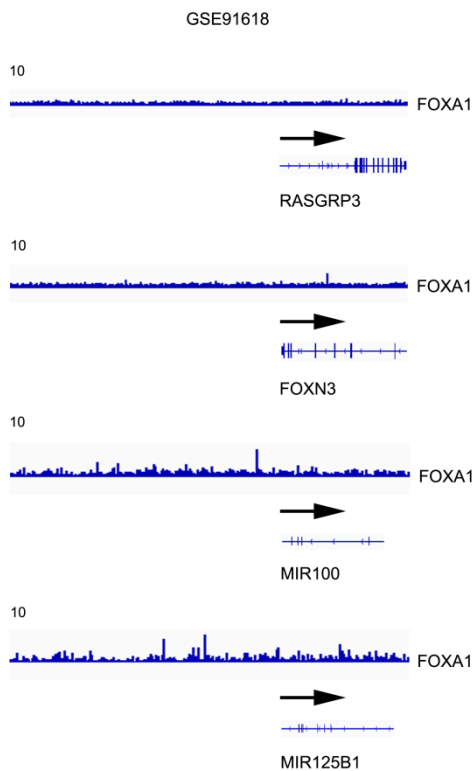
**Figure S2. miR-100-5p and miR-125b-5p were down-regulated in CNE1 cells overexpressing FOXA1.**

RT-PCR assay showed the validation of differentially expressed miRNAs in control or CNE1/FOXA1 cells. \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ .



**Figure S3. Protein level of RASGRP3 or FOXN3 was up-regulated in HK1 cells lacking either miR-100-5p or miR-125b-5p in vivo.**

A, Immunohistochemistry assay showed that RASGRP3 or FOXN3 protein level was increased in HK1 cells knocking down miR-100-5p or miR-125b-5p in vivo.



**Figure S4. FOXA1 directly targeted to miR-100-5p or miR-125b-5p, not RASGRP3 or FOXN3.**

A, ChIP-seq showed that FOXA1 didn't combine with RASGRP3 or FOXN3, but it bound to promoter regions of miR-100-5p or miR-125b-5p. Data were collected from GEO database (GSE91618).