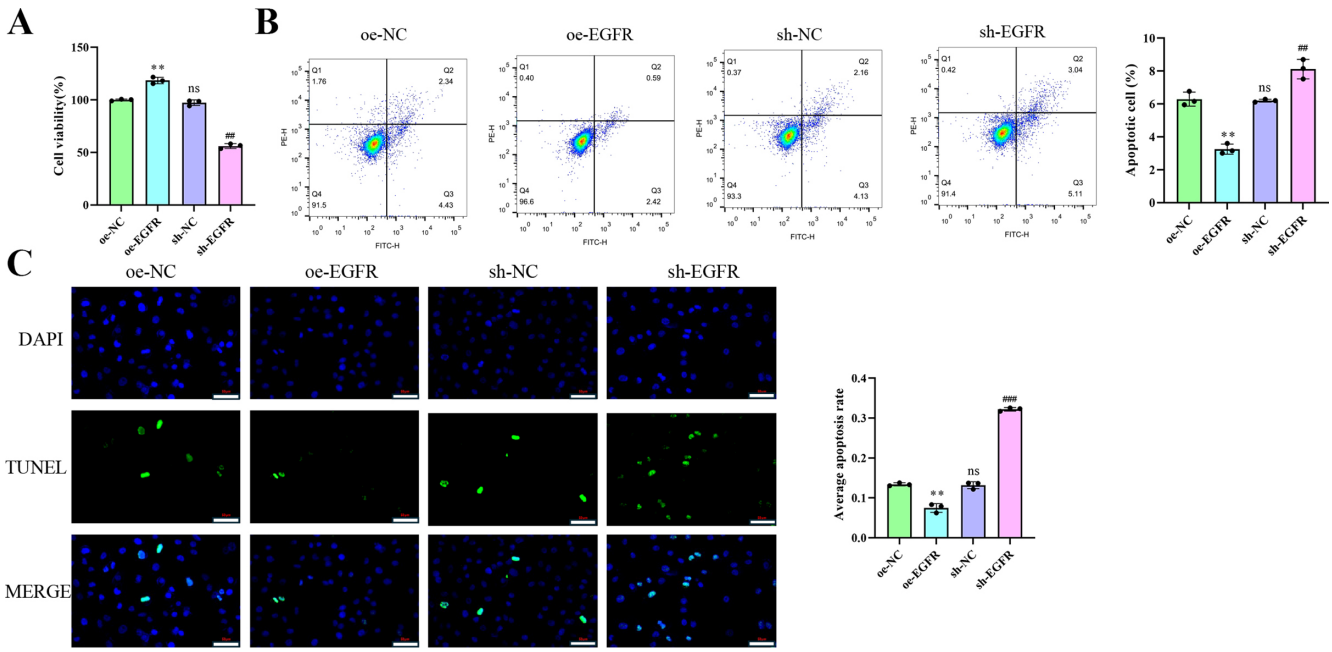

Figure S1 Knockdown of EGFR induced apoptosis in melanoma cells. A375 cells were transfected with lentiviral vectors for either overexpression or knockdown of EGFR. (A) CCK-8 was employed to analyze cell proliferation. (B) Flow cytometry was used to detect apoptosis rates. (C) TUNEL staining assay was used to assess the apoptosis rate. Scale bar =50 μM. Data are presented as mean ± SD. **, P<0.01 *vs.* oe-NC; ##, P<0.01, ###, P<0.001 *vs.* sh-NC; ns represents no statistical significance. CCK-8, cell counting kit-8; DAPI, 4',6-diamidino-2-phenylindole; EGFR, epidermal growth factor receptor; NC, negative control; SD, standard deviation; TUNEL, terminal deoxynucleotidyl transferase dUTP nick-end labeling.

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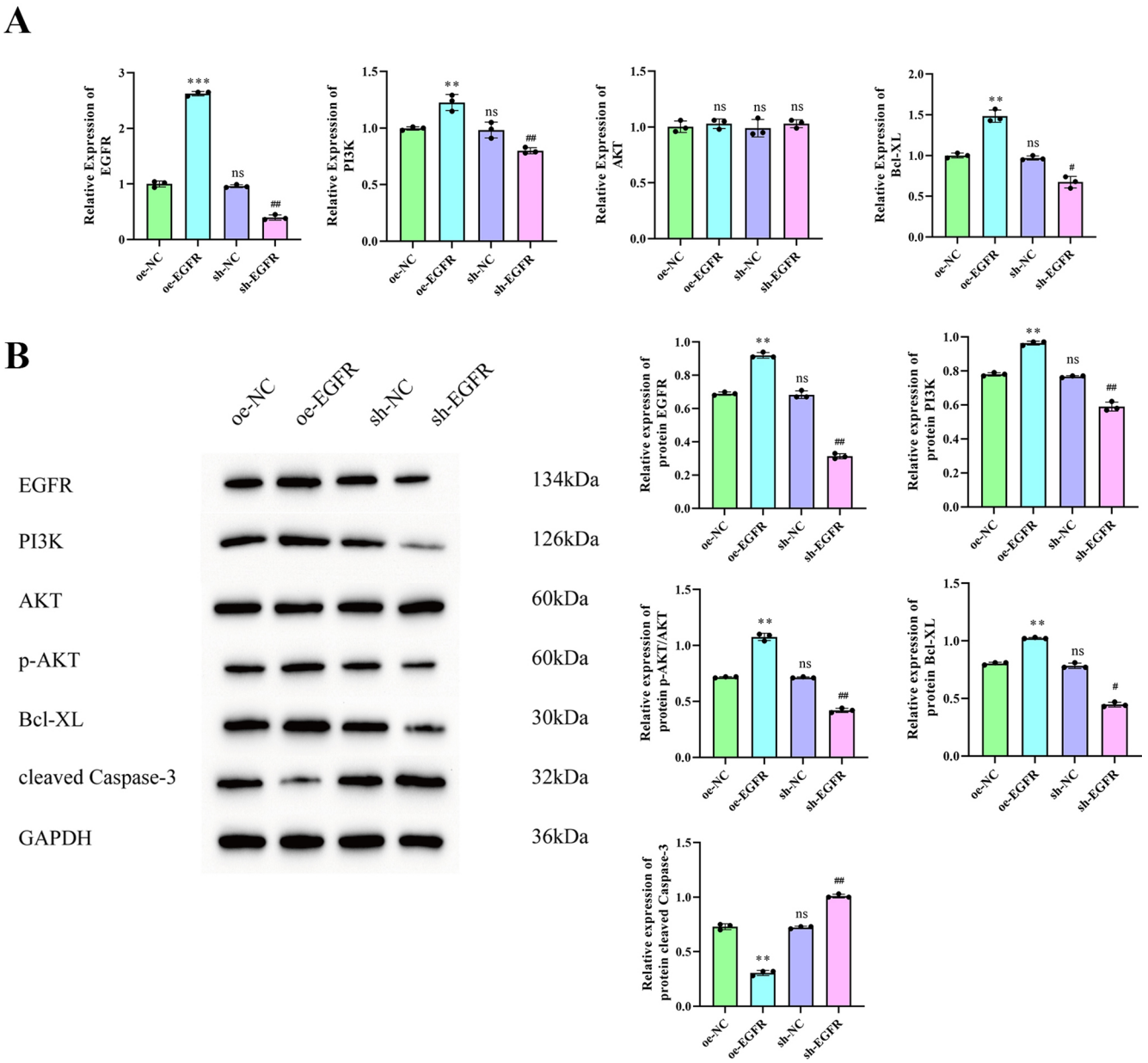

Figure S2 Knockdown of EGFR inhibited the PI3K/AKT pathway. A375 cells were transfected with lentiviral vectors for either overexpression or knockdown of EGFR. (A) The mRNA expression of EGFR, PI3K, AKT, and BCL-XL was detected by RT-qPCR. (B) The protein expression of EGFR, PI3K, AKT, p-AKT, BCL-XL, and cleaved caspase-3 was detected by Western blot. Data are presented as mean ± SD. **, P<0.01, ***, P<0.001 *vs.* oe-NC; #, P<0.05, ##, P<0.01 *vs.* sh-NC; ns represents no statistical significance. EGFR, epidermal growth factor receptor; mRNA, messenger RNA; NC, negative control; RT-qPCR, reverse transcription quantitative polymerase chain reaction; SD, standard deviation.

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