

1 **Epstein-Barr virus-induced up-regulation of TCAB1 is involved in the DNA**
2 **damage response in nasopharyngeal carcinoma**

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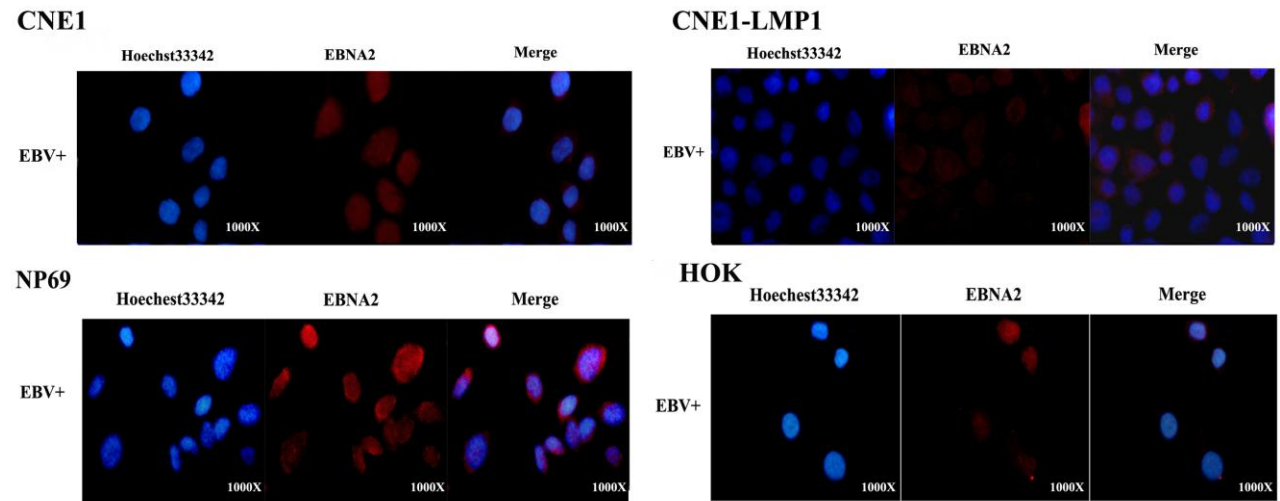
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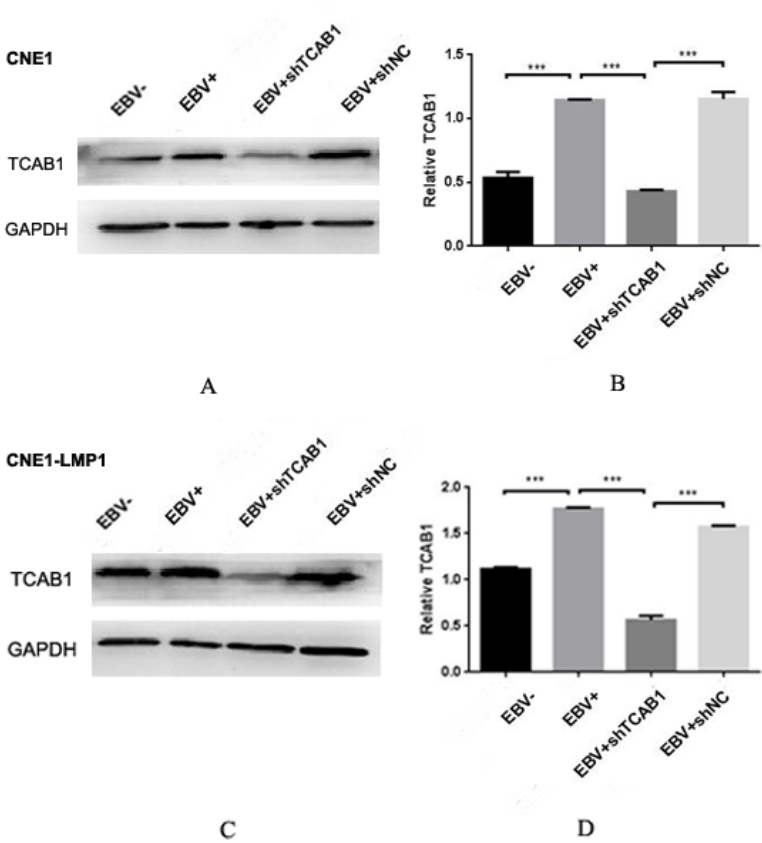
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22 **Supplementary materials**

23 **Supplementary Figure 1. EBNA2 was positive staining in cell lines after infection**
24 **with EBV.** CNE1, CNE1-LMP1, NP69 and HOK cells were detected with indirect
25 immunofluorescence staining with an antibody specific to EBNA2 after EBV infection.
26 The nuclei of the cells were stained with Hoechst33342. EBV+, EBV-positive; EBV-,
27 EBV-negative.



Supplementary Figure 2. Protein level of TCAB1 decreased efficiently after shTCAB1 lentivirus treatment. Using exogenous shTCAB1 lentivirus significantly depleted protein level of TCAB1 in CNE1 and CNE1-LMP1. Statistical analysis was determined by Student's *t* test (***P* < 0.001).



47 **Supplementary Table 1. Primer design for the amplification of *TCAB1* gene.**

Primers	Sequences	Amplified fragment length
Primer 1	F1-70: TGTAATCCCAGCACTTTG	404bp
	R1-474: CTGGTATCTTTCCTGTATG	
Primer 2	F2-360:AGCCCTATACTCCAACTG	451bp
	R2-858: CTCCTCGAGTCTTTTACCT	
Primer 3	F3-784: ATGTATAAAGCAGTCCCACA	499bp
	R3-1234: GAGTTGTTTCCCATTGTC	
Primer 4	F4-1118: TCGCAATTCCCCTCCTAA	462bp
	R4-1579: ACGTGGTGAATCCCCGTC	
Primer 5	F5-1488: CTGCCTCACCCCTCCCGAATA	634bp
	R5-2121: TCCAGACGCAGGCTGAACG	

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