

Table S1. Sequences of primers used for RT-qPCR and sequences of nucleic acids for RNA interference.

Gene name	Utilization	Primer sequence (5'→3')
TFAP2A	RT-qPCR	F: AGGTCAATCTCCCTACACGAG
		R: GGAGTAAGGATCTTGCGACTGG
	shRNA1	TGAATTTCTCAACCGACAA
	shRNA2	CACGGACAACAACGCCAAATT
PD-L1	RT-qPCR	F: CCAAGGCCGAAGTCATCTGG
		R: CAGTGTGCTGGTCACATTGAA
	ChIP	F: TTCCTAGGACACCAACACTAGA
		R: ACGCGCCAGCTGCTCAGCGTT
	shRNA1	GGTTCCTCAAGGACCTATATG
	shRNA2	GGAGATTAGATCCTGAGGA
HPV 16 E6	shRNA1	GAATGTGTGTAAGTCAAGC
	shRNA2	GAGATACACCTACATTGCATGAATA
GAPDH	RT-qPCR	F: GGAGCGAGATCCCTCCAAAAT
		R: GGCTGTTGTCATACTTCTCATGG
Negative control	shRNA control	TTCTCCGAACGTGTCACGTTT
PPARG	Positive primer	F: GCAGCACCACCGATCAGAAG
	used for ChIP	R: GCCCAGAGAGGGTCCCATT

RT-qPCR, reverse transcription-quantitative PCR; F, forward; R, reverse; TFAP2A, transcription factor AP-2 alpha; PD-L1, programmed death-ligand 1; shRNA, short hairpin RNA; ChIP, chromatin immunoprecipitation.

Table SII. List of antibodies used for western blot analysis.

Antigen name	Cat. no.	Supplier
TFAP2A	67076-1-Ig	Proteintech Group, Inc.
PD-L1	13684S	Cell Signaling Technology, Inc.
GAPDH	60004-1-Ig	Proteintech Group, Inc.
HPV 16 E6	Ab70	Abcam

TFAP2A, transcription factor AP-2 alpha; PD-L1, programmed death-ligand 1.