

## **Chapter 7**

Figures in color

Chapter 3, Figure 5

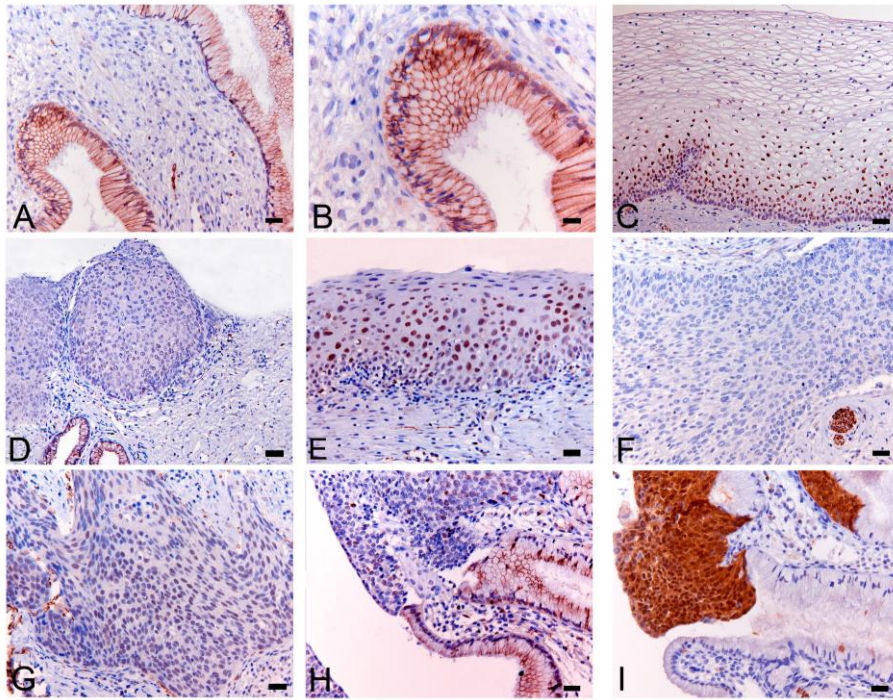


Figure 5. Representative immunohistochemical staining results for CADM1 (A-H) and p16<sup>INK4A</sup> (I). A and B: normal glandular epithelium of cervical glands; C: normal cervical squamous epithelium. D: CIN3 lesion with dense methylation; E: CIN2/3 lesion without methylation. F: SCC showing dense methylation; G: SCC without methylation. H: Transition normal cervical glandular epithelium to CIN3 lesion with methylation of a single promoter region; I: AdCA without methylation. In all photomicrographs except B, scale bar = 50  $\mu$ m; in photomicrograph B, scale bar = 25  $\mu$ m.

## Chapter 3, Figure 6

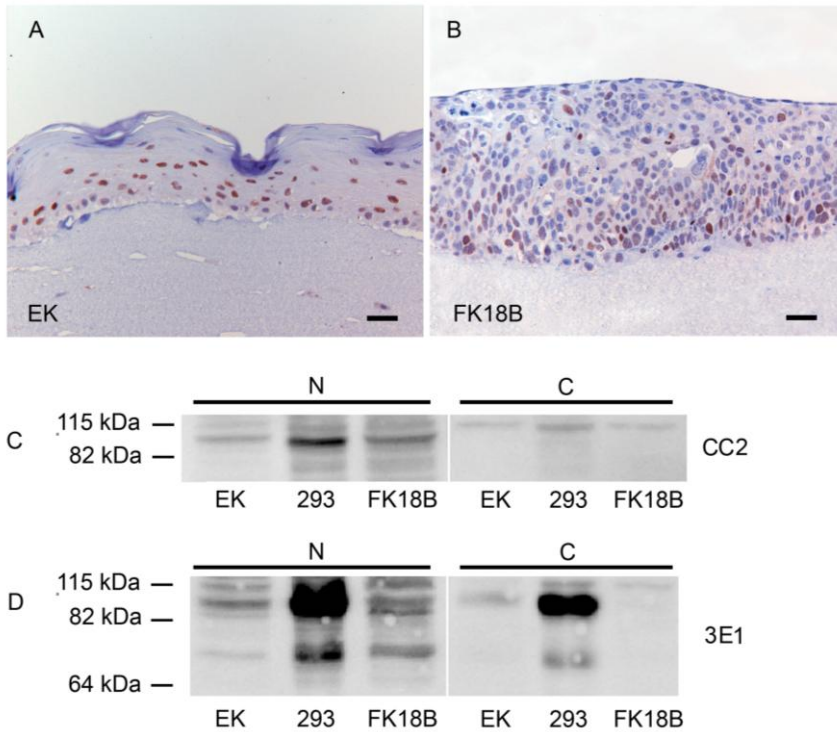


Figure 6. Representative immunohistochemical staining results for CADM1 protein expression on organotypic raft cultures and Western blot analysis. A: Organotypic raft culture of primary keratinocytes (EK); B: Organotypic raft culture of HPV18-immortalized primary keratinocytes (FK18B); C: Western blot analysis on nuclear (N) and cytoplasmic (C) protein fractions using CC2 antibody and D 3E1 antibody. In photomicrographs A and B , scale bar = 50  $\mu$ m.

*Figures in color*

**Colored Figures on back side of this page**

**Colored Figures on back side of this page**

## Chapter 5, Figure 1

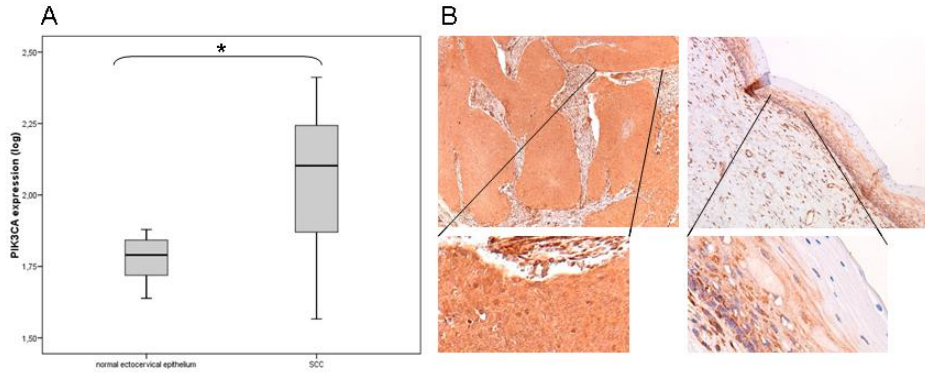


Figure 1. PIK3CA expression (A) mRNA expression levels of PIK3CA in SCCs compared to normal ectocervical epithelium determined by quantitative RT-PCR. The upper and lower boundaries of the boxes represent the 75th to 25th percentile, bars within the boxes represent the median value. Whiskers represent the minimum and maximum values. (B) Representative pictures of immunostainings for PIK3CA on a cervical carcinoma specimen (left) and normal cervical epithelium (right) (20x magnification).

## Chapter 5, Figure 7

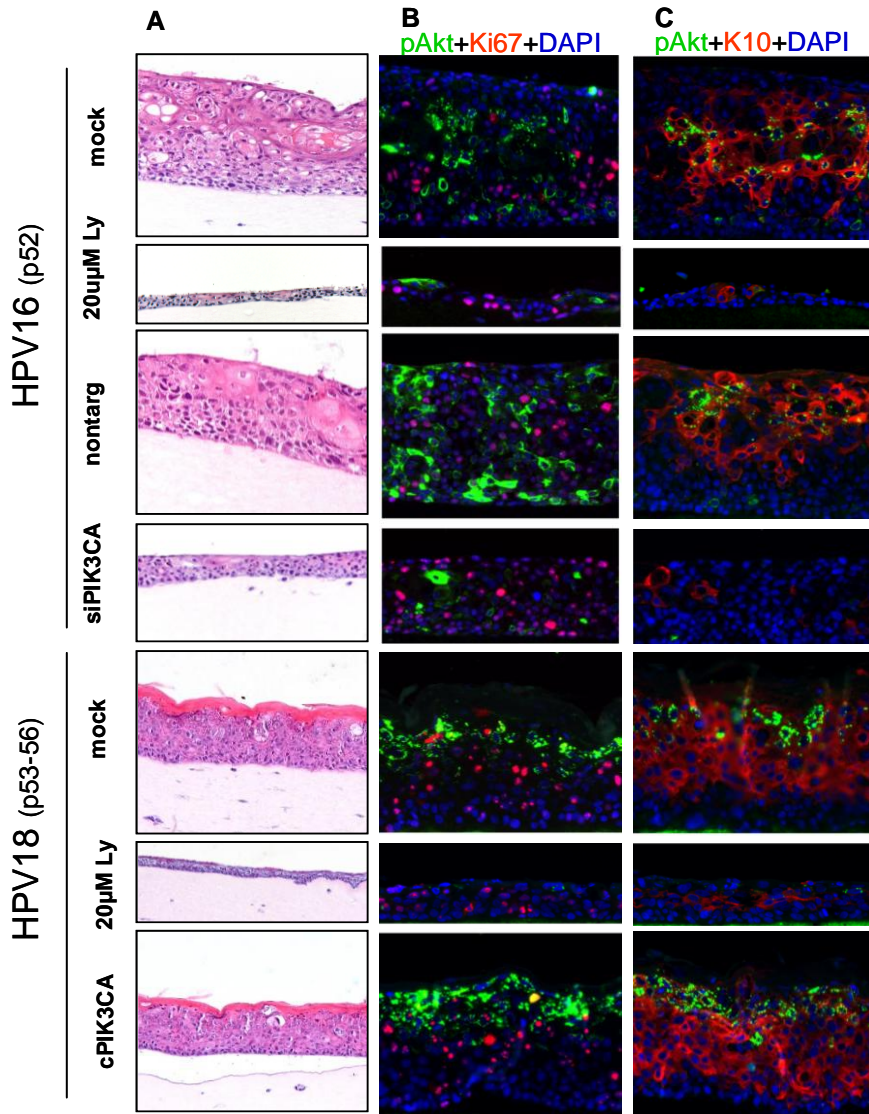


Figure 7. Organotypic raft cultures of HPV16 and HPV18 immortalized keratinocytes. After culturing in the presence or absence of PI3-kinase inhibitor LY294002, following siRNA transfection (p53) (nontarg: non-targeting siRNA; siPIK3CA: PIK3CA specific siRNAs) and upon PIK3CA overexpression (p52-56) (cPIK3CA). (A) H&E staining showing raft culture morphology. (B) Double immunofluorescence probing performed on sections of the same cultures for p-PKB/AKT (green), Ki-67 (red) and DAPI (blue) and (C) for p-PKB/AKT (green), CK10 (red) and DAPI (blue). P: passage.

*Figures in color*

**Colored Figures on back side of this page**



**Colored Figures on back side of this page**

## Chapter 5, Additional Figure S4

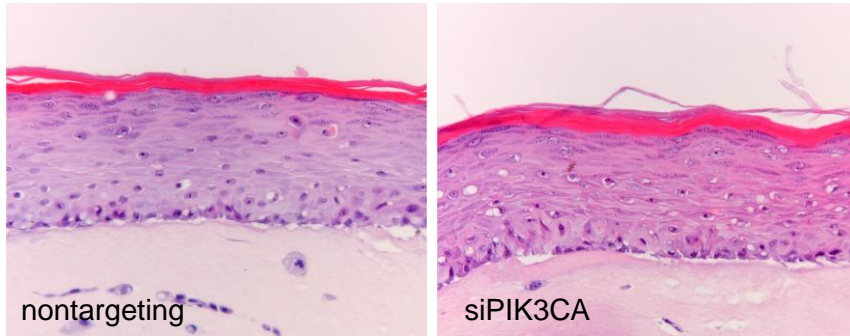


Figure S4. Organotypic raft cultures of primary human foreskin keratinocytes without and with PIK3CA silencing. H&E staining showing raft culture morphology following transfection of primary human foreskin keratinocytes (p3) with non-targeting siRNAs (left) and siRNAs targeting PIK3CA (right).