Supplementary Fig. 1 The effect of different shRNAs constructs on ClC-5 expression in OK cells. The listed ClC-5-shRNA constructs were transfected into OK cells at confluency and studied 5 days later. Lysates were made and Western blotting was performed for ClC-5, NHE3 and actin. (A) A representative blot shows two examples of separate matched transfections. (B) Quantitative analysis of ClC-5 protein expression by densitometry is shown. Total ClC-5 is normalized to β-actin. Value of ClC-5/ β-actin is calculated as percentage of sc group. Results are mean ± SE of data from 3 independent experiments. Further studies were primarily carried out with c27 which had the greatest reduction of ClC-5. p values are in comparison with sc group. (C) Quantitative analysis of NHE3 protein expression by densitometry is shown. Total NHE3 is normalized to β-actin. Value of NHE3/ β-actin is calculated as percentage of sc group. Results are mean ± SE of data from 3 independent experiments. c1869 construct reduced NHE3 expression. This construct was not used in further experiments.

Supplementary Fig.1

(A)

(B)

(C)