Legends to supplemental movies:

Movie S1: 10-µm section of cauda epididymidis double-labeled for ROCKII (red) and V-ATPase (green) after luminal perfusion with Y27632
3D reconstruction from a stack of 0.1-µm interval images, acquired using a Zeiss Radiance 2000 confocal microscope. One clear cell exhibiting numerous and well-developed B1-V-ATPase-labeled microvilli is shown. While significant ROCKII labeling is detected in the cytoplasm of this cell (as well as in adjacent principal cells), no ROCKII labeling is seen in the microvilli.

Movie S2: 10-µm section of cauda epididymidis double-labeled for ROCKII (red) and V-ATPase (green) after luminal perfusion with TxC3
3D reconstruction from a stack of 0.1-µm interval images, acquired using a Zeiss Radiance 2000 confocal microscope. One clear cell exhibiting numerous and well-developed B1-V-ATPase-labeled microvilli is shown. While significant ROCKII labeling is detected in the cytoplasm of this cell (as well as in adjacent principal cells), no ROCKII labeling is seen in the microvilli.