Suppl. Fig. 5. Effect of ARN-509 on proliferation and apoptosis in epididymis of intact dogs.

Intact male beagle dogs were treated by oral gavage for 28 days with vehicle (n=5) or 10 mg/kg ARN-509 (n=4), and organs resected 24h after the final dose. Mean plasma concentration of ARN-509 24 hours after the final dose, was 17.5 μg/mL. Dog epididymides were stained with antibody to Ki67 or TUNEL. Note rare positively stained cell for Ki67 (arrow) in vehicle-treated epididymis. No Ki67 staining was evident in the ARN-509-treated epididymis. Note rare positively stained cell for TUNEL (arrow) in ARN-509-treated epididymis. No TUNEL staining was evident in vehicle-treated epididymis. Scale bars: 100 μm (Ki67), 50 μm (TUNEL). Results quantified as mean percentage (± SEM) positive cells from representative areas from each epididymis (n=5 for vehicle, n=4 for ARN-509). P<0.05 as determined by 1-way ANOVA with Bonferroni’s multiple comparison post-test.