

Table S2 Summary of major results.

	2d		7d	
	Vehicle	Sirolimus	Vehicle	Sirolimus
Functional phosphate studies				
Serumphosphate (mmol/l)	<u>3.3 ± 0.09</u>	<u>2.8 ± 0.05†</u>	<u>3.0 ± 0.08</u>	<u>2.4 ± 0.09‡</u>
Urine phosphate/creatinine ratio	<u>12.4 ± 0.6</u>	<u>17.8 ± 0.7‡</u>	<u>10.4 ± 1.1</u>	<u>15.8 ± 0.9†</u>
TmP/GFR (mmol/l)	<u>3.0 ± 0.1</u>	<u>2.5 ± 0.06‡</u>	<u>2.8 ± 0.06</u>	<u>2.1 ± 0.09‡</u>
BBMV phosphate uptake (pmol/mg)	<u>1091 ± 77</u>	<u>1030 ± 129</u>	<u>1145 ± 126</u>	<u>1158 ± 32</u>
Phosphatonins				
PTH (pg/ml)	<u>403 ± 37</u>	<u>177 ± 35†</u>	<u>334 ± 44</u>	<u>193 ± 31*</u>
FGF 23 (pg/ml)	<u>259 ± 15</u>	<u>267 ± 21</u>	<u>249 ± 20</u>	<u>144 ± 12‡</u>
Klotho (pg/ml)	<u>466.5 ± 134.6</u>	<u>592.6 ± 164.5</u>	<u>1110.8 ± 264.1</u>	<u>809.1 ± 177.3</u>
1,25 Dihydroxycholecalciferol (pg/ml)	<u>123 ± 11</u>	<u>155 ± 9</u>	<u>131 ± 12</u>	<u>178 ± 20</u>
Transcription				
qPCR NaPi IIA ($2^{\Delta\text{HPRT-NaPi IIA}}$)	<u>1 ± 0.05</u>	<u>0.9 ± 0.03</u>	<u>1 ± 0.05</u>	<u>0.9 ± 0.03</u>
qPCR NaPi IIC ($2^{\Delta\text{HPRT-NaPi IIC}}$)	<u>1 ± 0.05</u>	<u>0.6 ± 0.05‡</u>	<u>1 ± 0.04</u>	<u>0.6 ± 0.05‡</u>
qPCR Pit-2 ($2^{\Delta\text{HPRT-Pit2}}$)	<u>1 ± 0.09</u>	<u>1 ± 0.08</u>	<u>1 ± 0.1</u>	<u>1.4 ± 0.2</u>
qPCR Klotho ($2^{\Delta\text{18S-Klotho}}$)	<u>1 ± 0.19</u>	<u>0.75 ± 0.19</u>	<u>1 ± 0.13</u>	<u>0.7 ± 0.15</u>
qPCR NHE3 ($2^{\Delta\text{HPRT-NHE3}}$)	<u>1 ± 0.2</u>	<u>1 ± 0.1</u>	<u>1 ± 0.1</u>	<u>1.3 ± 0.2</u>
Translation				
WB NaPi IIA (Actin/NaPi IIA Ratio)	<u>1 ± 0.1</u>	<u>1.1 ± 0.07</u>	<u>1 ± 0.1</u>	<u>1 ± 0.1</u>
WB NaPi IIC (Actin/NaPi IIC Ratio)	<u>1 ± 0.1</u>	<u>0.8 ± 0.07</u>	<u>1 ± 0.2</u>	<u>0.7 ± 0.1</u>
WB Pit-2 (Actin/Pit-2 Ratio)	<u>1 ± 0.1</u>	<u>1 ± 0.08</u>	<u>1 ± 0.2</u>	<u>0.9 ± 0.07</u>
WB Klotho (Actin/Klotho Ratio)	<u>1 ± 0.26</u>	<u>0.6 ± 0.09</u>	<u>1 ± 0.25</u>	<u>0.7 ± 0.15</u>
WB NHE3 (Actin/NHE3 Ratio)	<u>1 ± 0.2</u>	<u>1.3 ± 0.2</u>	<u>1 ± 0.06</u>	<u>0.9 ± 0.1</u>
IHC NaPi IIA		No difference		No difference
IHC NaPi IIC		No difference		No difference
IHC Pit-2		No difference		No difference

Values are means ± SE, n = 6/group. A summary of all major results from rats treated with vehicle and sirolimus for two and seven days is shown. *p < 0.05. †p < 0.01. ‡p < 0.001.