



Supplementary Figure 2. Andrukhova et al.

Supplementary Figure S2. *Fgf23* or *Klotho* deficiency downregulates renal NCC expression but upregulates aldosterone and renal α ENaC expression in 4-week-old mice. (A) Urinary Na⁺ excretion corrected by urinary creatinine (Crea) (n=8-12, 1-way ANOVA followed by SNK test, * $p < 0.05$ vs. WT, # $p < 0.05$ vs. VDR^{Δ/Δ} mice), (B) urinary aldosterone corrected by urinary creatinine and serum aldosterone concentrations measured by ELISA (n=8-12, 1-way ANOVA followed by SNK test, * $p < 0.005$ vs. WT, # $p < 0.005$ vs. VDR^{Δ/Δ} mice), (C-D) Western blotting analysis in renal cortical total membrane fractions of NCC and α ENaC protein expression (n=5-7, 1-way ANOVA followed by SNK test, * $p < 0.005$ vs. WT, # $p < 0.05$ vs. VDR^{Δ/Δ} mice) and immunohistochemical detection of NCC and α ENaC protein expression in paraffin sections of paraformaldehyde-fixed kidneys in 4-week-old male and female wild-type (WT), VDR^{Δ/Δ}, Fgf23^{-/-}, KI^{-/-}, Fgf23^{-/-}/VDR^{Δ/Δ}, or KI^{-/-}/VDR^{Δ/Δ} compound mutant mice on rescue diet (n=5-6). Data represent mean \pm s.e.m.