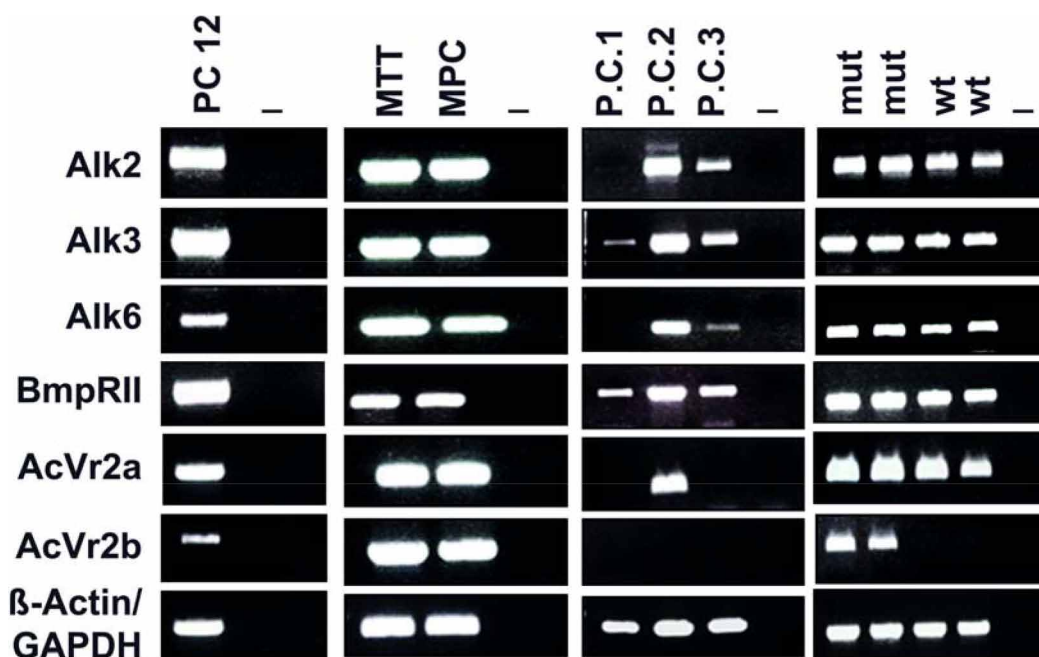
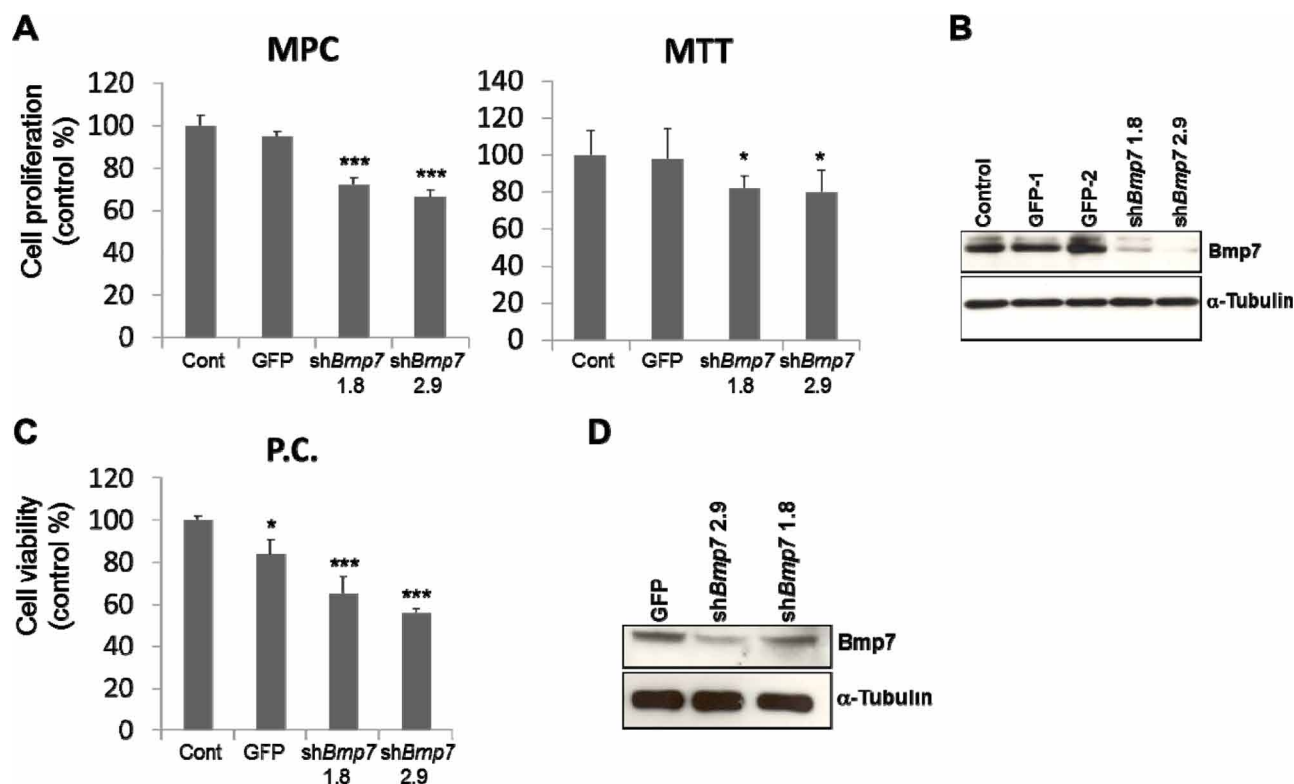


SUPPLEMENTARY TABLE AND FIGURES

Supplementary Table S1: Primer sequences used to amplify the genes encoding the BMP7 receptors in rat and mouse PCC cells and in rat tissues

Rat		Mouse	
<i>rAcvr2b-F</i>	5'-CATCACGTGGAACGAACGTGTGC-3	<i>mAcvr2a-F</i>	5'-AAACGGCGACATTGTTTTGC-3
<i>rAcvr2b-R</i>	5'-AGCATGTACTCATCGACAGGCC-3	<i>mAcvr2a-R</i>	5'-GTGTGACTTCCATCTCCGGA-3
<i>rAcvr2a-F</i>	5'-TCAGACTGGTGTGAGCCTT-3	<i>mAcvr2b-F</i>	5'-CATCACGTGGAACGAACGTGTGC-3
<i>rAcvr2a-R</i>	5'-GTGTGACTTCCATCTCCGGA-3	<i>mAcvr2b-R</i>	5'-AGCATGTACTCATCGACAGGCC-3
<i>rAlk2-F</i>	5'-TGCTAATGATGATGGCTCTCC-3	<i>mAlk2-F</i>	5'-TCGATGGAGTAATGATCCTTCC-3
<i>rAlk2-R</i>	5'-CGATCCAGGGAAGGATTTTC-3	<i>mAlk2-R</i>	5'-CCGTGATGTTCTGTACACC-3
<i>rAlk3-F</i>	5'-GGAGGAATCGTGGAGGAATAT-3	<i>mAlk3-F</i>	5'-CAGACTTGGACCAGAAGAAGCC-3
<i>rAlk3-R</i>	ATACGCAAAGAACAGCATGTC-3	<i>mAlk3-R</i>	5'-ACATTCTATTGTCTGCGTAGC-3
<i>rAlk6-F</i>	5'-AGACTGAGATATATCAGACGGTCC-3	<i>mAlk6-F</i>	5'-AGACTGAGATATATCAGACGGTCC-3
<i>rAlk6-R</i>	5'-CGTGTGTAGATGGCACAGG-3	<i>mAlk6-R</i>	5'-CGTGTGTAGATGGCACAGG-3
<i>rBmpr2-F</i>	5'-GGAGAAATCAAAAGGGGAC-3	<i>mBmpr2-F</i>	5'-GGAGAAATCAAAAGGGGAC-3
<i>rBmpr2-R</i>	5'-CTCCTGTCAACATTCTGTATCC-3	<i>mBmpr2-R</i>	5'-CTCCTGTCAACATTCTGTATCC-3

**Supplementary Figure S1: Bmp7 receptor expression in PCC cells and tissues.** RNA was extracted from three rat PCC primary cell cultures (P.C. #1–3), from PC12, MPC and MTT cells and from adrenal medullary tumors of two mutants (mut) and from adrenal medulla of two wild-type (wt) rats. RNA was reverse transcribed into cDNA, and amplified by RT-PCR using primers specific for Alk 2, 3, and 6, BmpRII, AcVr2a,b, β-Actin (for rat), and GAPDH (for mouse). The PCR products were detected on a 1% agarose gel following ethidium bromide staining.



Supplementary Figure S2: shRNA-mediated knockdown of *Bmp7* in PCC cell lines and primary cells. **A.** MPC and MTT cells were infected with lentiviral vectors containing shBmp7-GFP (#1.8, #2.9), GFP alone (GFP) or left uninfected (Cont), and 72 h later we assessed proliferation using the WST-1 assay. Data were analyzed independently with six technical replicates each, and are expressed as the mean $\pm$ SD. Proliferation was normalized against the values of uninfected cells arbitrarily set to 100%. *, $P < 0.05$; ***, $P < 0.001$. **B.** In parallel to A, total proteins were extracted from MPC cells and western blotting was performed using the anti-BMP7 antibody. α -Tubulin was used as loading control. **C.** Primary rat PCC cells (P.C.) were infected with lentiviral vectors containing shBmp7-GFP (#1.8, #2.9), GFP alone (GFP) or left uninfected (Cont) and cell viability was measured 72 h after infection. The average of two independent cultures from two mutant rats is shown. Proliferation was normalized against the values of uninfected cells which was arbitrarily set to 100%. *, $P < 0.05$; ***, $P < 0.001$. **D.** From infected primary PCC cells treated as in C, proteins were extracted and western blotting was performed using the anti-BMP7 antibody. α -Tubulin was used as loading control.