

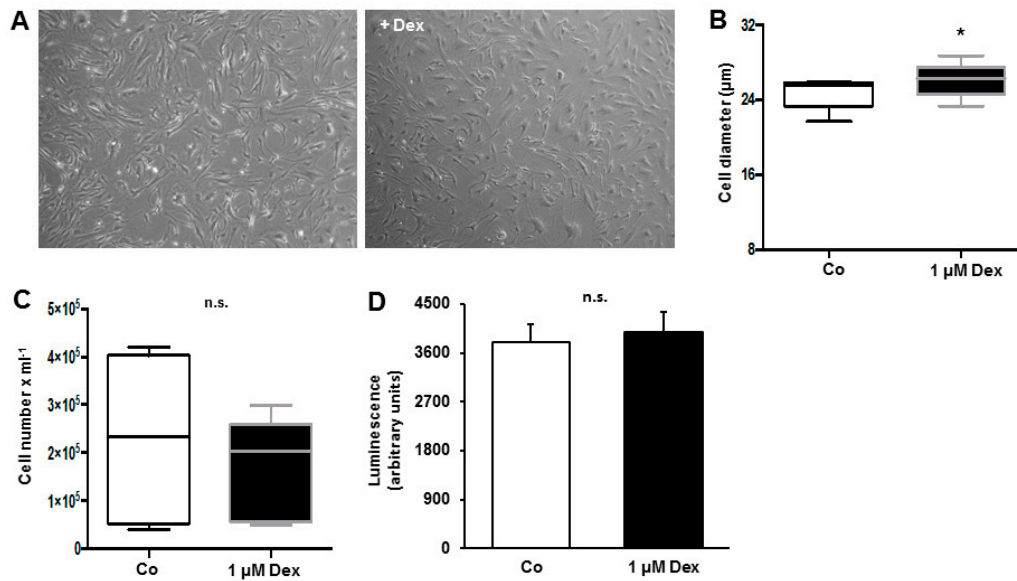


## The Glucocorticoid Receptor NR3C1 in Testicular Peritubular Cells is Developmentally Regulated and Linked to the Smooth Muscle-like Cellular Phenotype

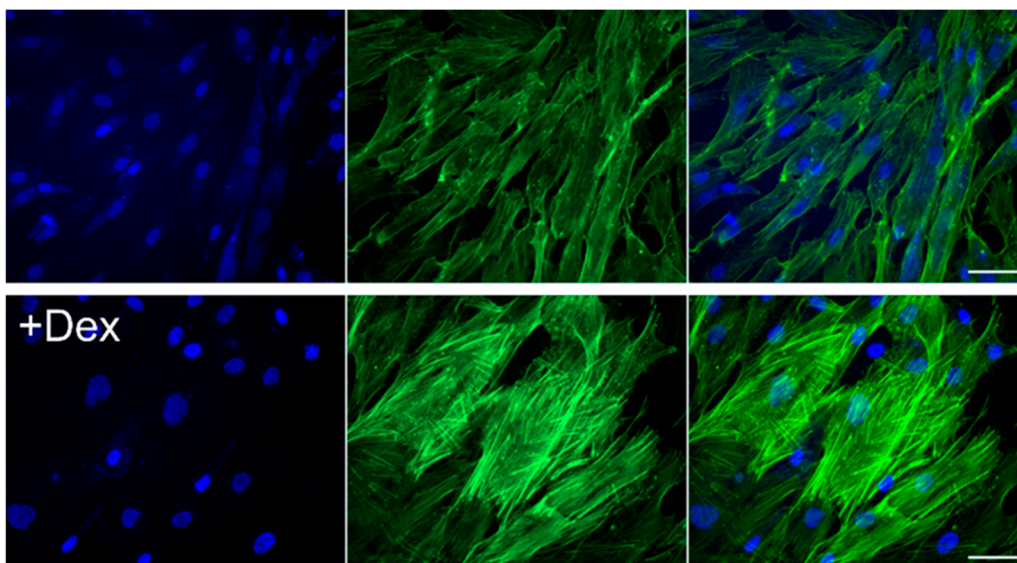
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**Table S1.** Forward (For) and reverse (Rev) primer sequences (5'-3') employed in real time PCR, amplicon size, annealing temperature (A-Temp.), and source (accession number); n.a.: not applied in real time PCR.

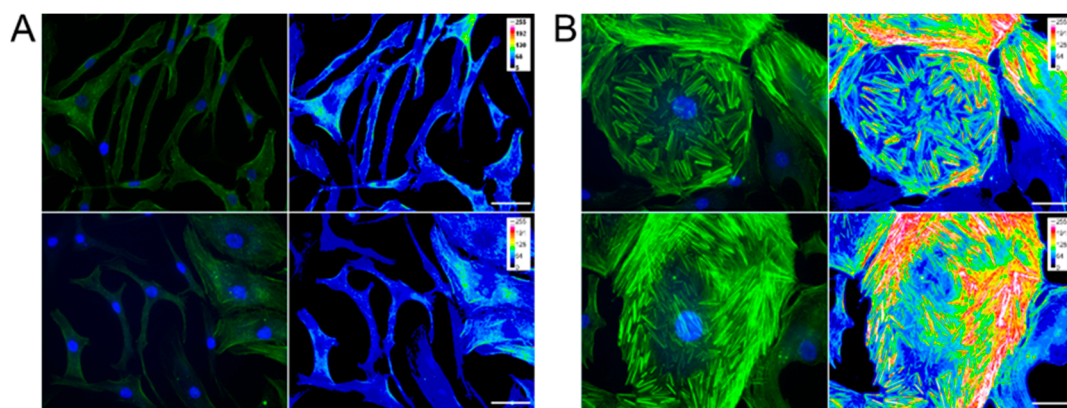
Gene Name	Sequence (5' - 3')	Amplicon size (bp)	A-Temp. (°C)	Source (Accession Number)
<i>RPL19</i>	For AGGCACATGGGCATAGGTAA Rev CCATGAGAATCCGCTTGTTT	199	59	NM_000981.3
<i>GR<math>\alpha</math></i>	For AGCCATTGTCAAGAGGGAAG Rev AGCAATAGTTAAGGAGATTTTCAACC	113	n.a.	NM_001018077
<i>GR<math>\beta</math></i>	For AGCCATTGTCAAGAGGGAAG Rev TTTCTGGTTTAAACCACATAACATTT	110	n.a.	NM_001020825
<i>GR(NR3C1)</i>	For GAAGGAAACTCCAGCCAGAA Rev GATGATTTTCAGCTAACATCT	159	60	NM_000176.3
<i>ACTA2</i>	For ACCCAGTGTGGAGCAGCCC Rev TTGTACACACCAAGGCAGT	110	62	GU143396.1
<i>ELN</i>	For CACTGGGGTATCCCATCAAG Rev CCATAGCCATAGGGCAGTTT	85	60	NM_000501
<i>Col1</i>	For CACACGTCTCGGTTCATGGTA Rev AAGAGGAAGGCCAAGTCGAG	91	58	NM_000088.3
<i>Col3</i>	For GGTGGTTTTTCAGTTTAGCTACGG Rev TGATGTTCTGGGAAGCTCGG	106	60	NM_000090.3
<i>FBLN5</i>	For CAATTTACAAGGGGGCTTCA Rev GGGTTCTCAGCAGGACACAT	99	59	NM_006329.3
<i>PDLIM1</i>	For TCAAAGGCTGCACAGACAAC Rev TATGGATGACGCTTCCCTTC	97	60	NM_002615
<i>FKBP5</i>	For GCATTATCCGGAGAACCAAA Rev GCCACATCTTCGAGTCAAA	121	59	NM_004117.3
<i>FBN1</i>	For ATGTGAATGCTTCCCTGGAC Rev GGCCTCTCTGTATCCACCA	98	59	NM_000138.5



**Figure S1.** (A) Effect of a 72 hours incubation period with Dex (1 μM) compared to control (Basal, medium) on cell morphology (A, two representative pictures are shown), (B) cell diameter, (C) proliferation of HTPCs. (D) Cell viability of HTPCs as determined by an ATP assay after a 24 hours incubation period with Dex (1 μM); n = 3, with quintuplicates in each experimental group. Paired t-test, values are the mean ± SEM. Asterisk denotes statistical significance, \**p* < 0.05; n.s.: not significant;



**Figure S2.** Fluorescence microscopy of control HTPCs (upper panel), and HTPCs derived from another patient line than the cells shown in Figure 5 treated with Dex (1 μM; lower panel) for 72 hours. Filamentous actin was visualized by staining with Atto 488-phalloidin (middle), and DNA with DAPI (left). Merged images are shown on the right. Scale bars = 50 μm;



**Figure S3.** Semiquantitative analysis filamentous actin structures in HTPCs (A,B). Control HTPCs (A) were cultivated in parallel to cells treated with Dex (1  $\mu$ M) for 24 hours (B). The images were recorded with identical microscope settings, and two examples are shown for control (A), and Dex-treated cells (B). Left images depict the overlay of the green (filamentous actin visualized by staining with Atto 488-phalloidin) and blue channels (nuclei visualized by staining of DNA with DAPI). Images on the right indicate the intensity profiles depicted in the 16-color mode (Fiji) of grey values of the green (actin) channel. Scale bars = 50  $\mu$ m;