

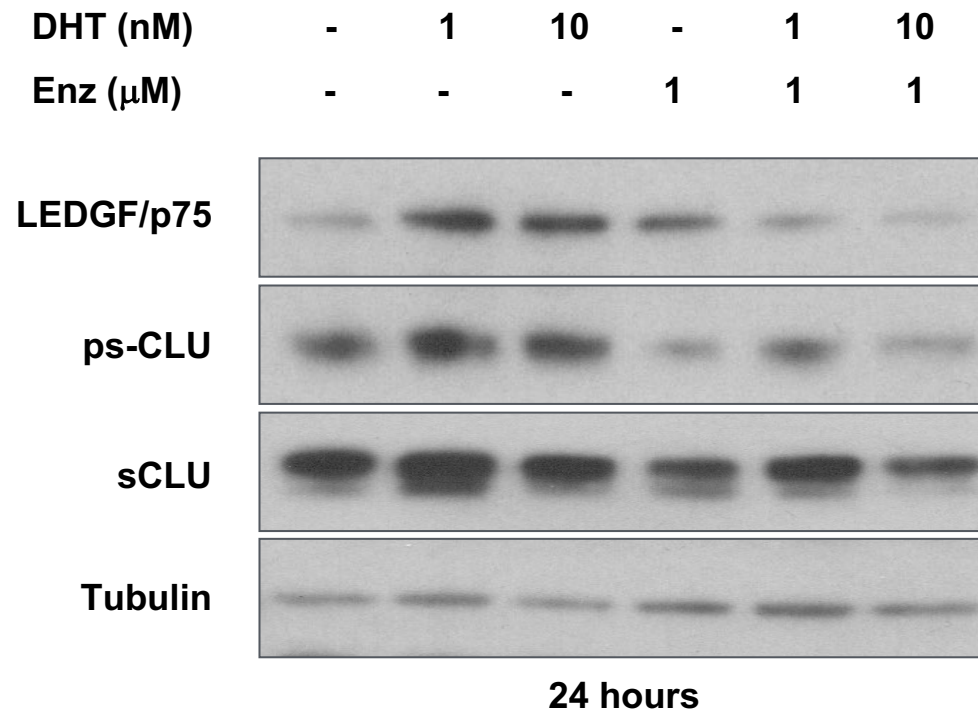
Glucocorticoids Induce Stress Oncoproteins Associated with Therapy-Resistance in African American and European American Prostate Cancer Cells

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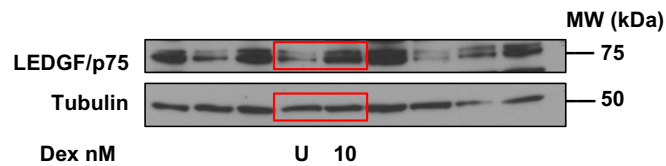
Supplementary Figure S1



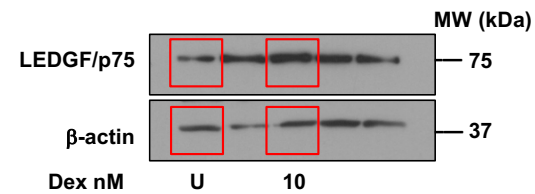
Supplementary Figure S1. Androgen-induced upregulation of LEDGF/p75 and CLU in 22Rv1 cells. Cells were treated for 24 hours with DHT or Enz. Untreated (U) cells were used as controls. Whole cell lysates were prepared for Western blotting and probed with anti-LEDGF/p75 and anti-sCLU antibodies. Results from two independent experiments were quantified with ImageJ. Results reveal a trend of increased LEDGF/p75 and CLU expression in 22Rv1 cells treated with DHT. Enz attenuated LEDGF/p75 and CLU expression. This image is uncropped and all bands are derived from the same gel.

Uncropped Gel Images

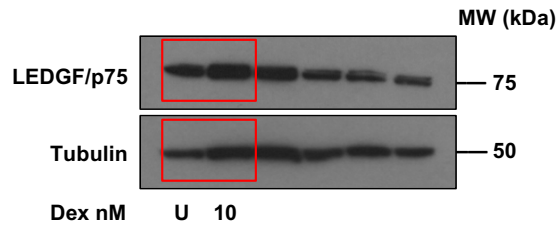
Full Scan for Fig 1A-Dexamethasone



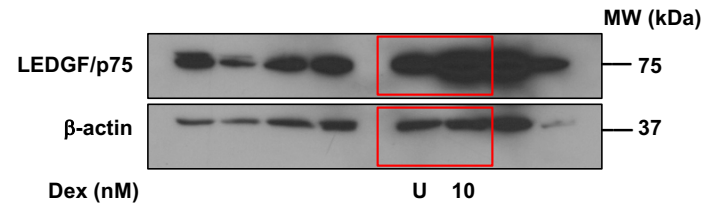
Full Scan for Fig 1B-Dexamethasone



Full Scan for Fig 1A-Cortisol



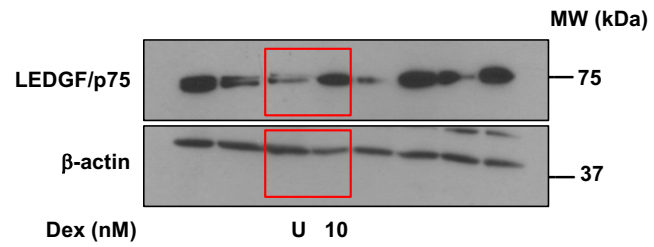
Full Scan for Fig 1B-Cortisol



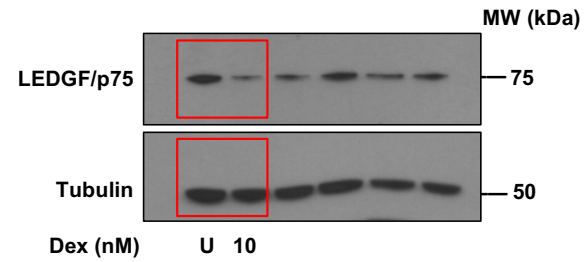
Supplementary Figure S2. Complete representation of full-length blots/gels. All western blot images shown in this manuscript are provided in full-length without cropping.

Supplementary Figure S2 (cont.)

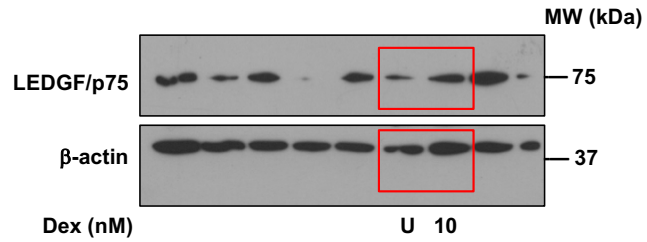
Full Scan for Fig 1C-Dexamethasone



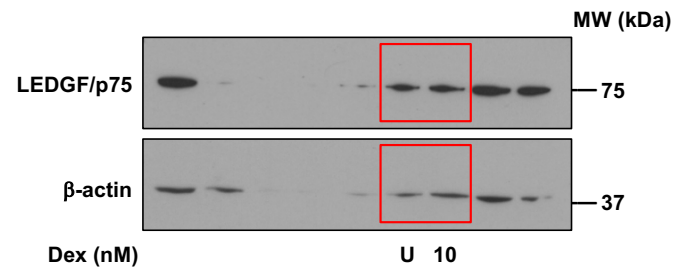
Full Scan for Fig 1D-Dexamethasone



Full Scan for Fig 1C-Cortisol

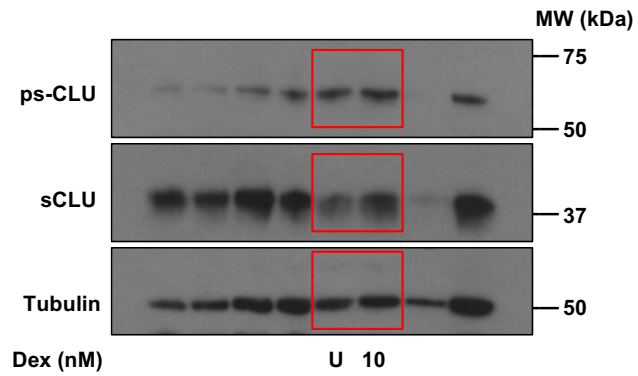


Full Scan for Fig 1D-Cortisol

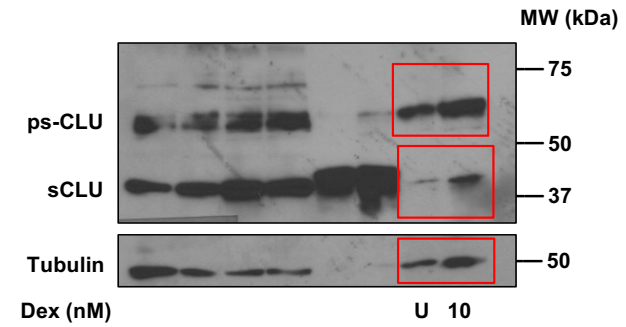


Supplementary Figure S2 (cont.)

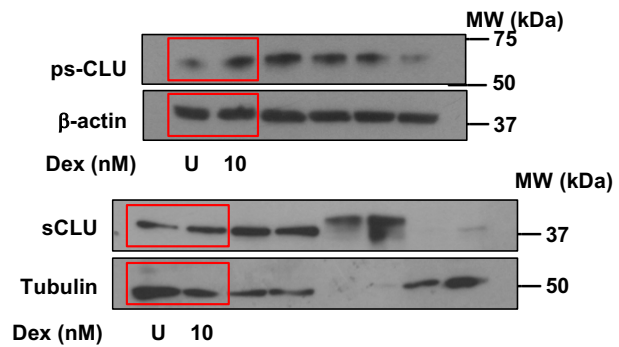
Full Scan for Fig 2A



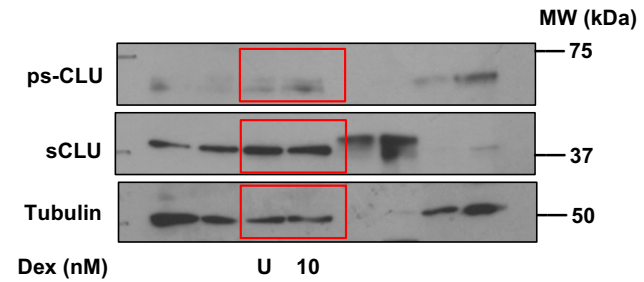
Full Scan for Fig 2B



Full Scan for Fig 2C

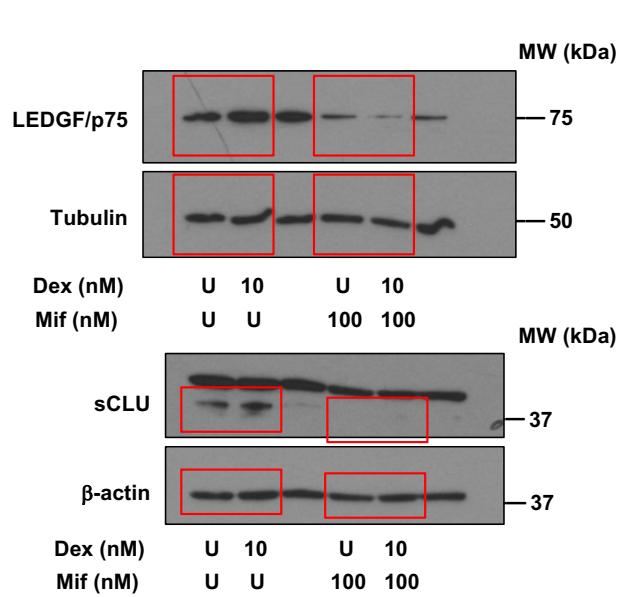


Full Scan for Fig 2D

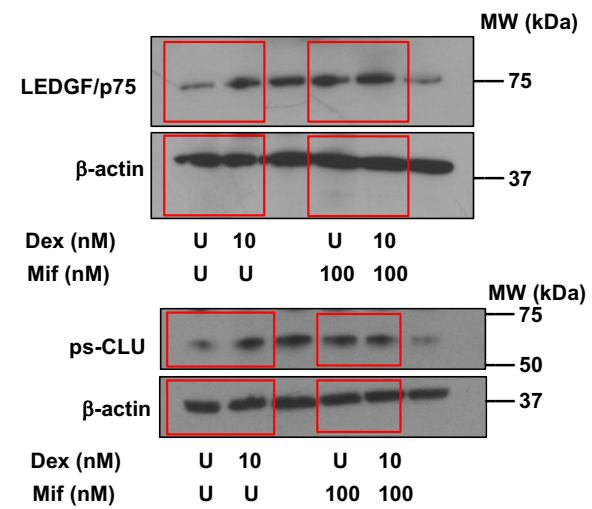


Supplementary Figure S2 (cont.)

Full Scan for Fig 4A

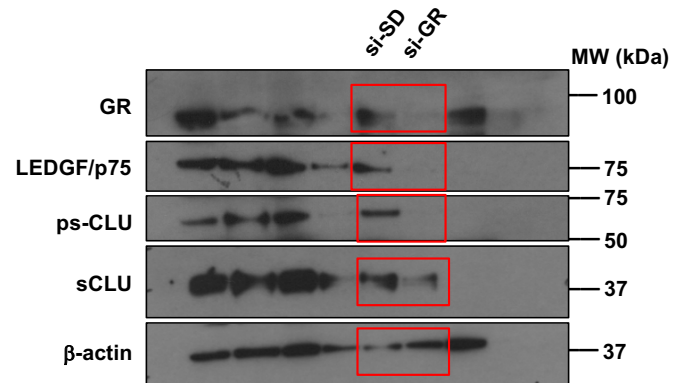


Full Scan for Fig 4B

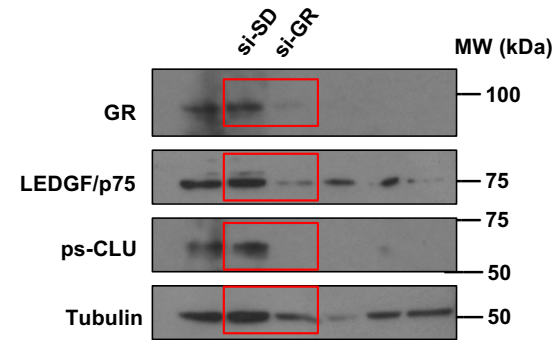


Supplementary Figure S2 (cont.)

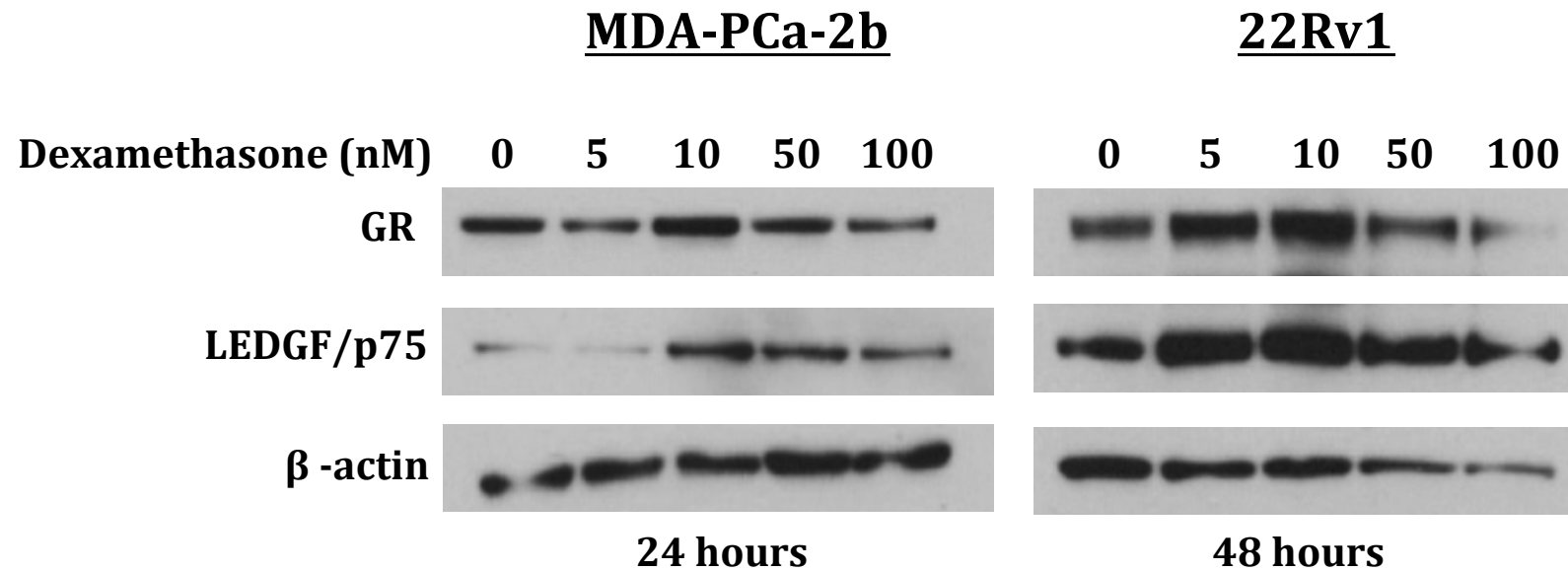
Full Scan for Fig 5A



Full Scan for Fig 5B



Supplementary Figure S3



Supplementary Figure S3. Dose-dependent treatment of MDA-PCa-2b and 22Rv1 cells with Dex. Cells were initially treated in a dose-dependent manner with Dex. Whole cell lysates were prepared for Western blotting and probed with anti-GR and anti-LEDGF/p75 antibodies. Results revealed the most robust upregulation of GR and LEDGF/p75 protein expression in MDA-PCa-2b and 22Rv1 cells treated with 10 nM Dex. This image is uncropped and all bands are derived from the same gel.

Supplementary Table S1

Gene	Site	Size (bp)	Source
GilZ	AGAACAttgGGTTCC	15	(Sebastiaan H. Meijnsing et al. 2009)
GilZ	GGAACCCAATGTTCT	15	(Jen-Chywan Wang et al. 2004)
GilZ	TTAACAGAATGTCCT	15	(Jen-Chywan Wang et al. 2004)
GilZ	CAAACACCGTGTTCA	15	(Jen-Chywan Wang et al. 2004)
GilZ	CCTGCACCTTTGTTCT	16	(Jen-Chywan Wang et al. 2004)
Pal	AGAACAaaaTGTTCT	15	(Sebastiaan H. Meijnsing et al. 2009)
Sgk	AGAACAttTGTCCG	15	(Sebastiaan H. Meijnsing et al. 2009)
Tat	AGAACAtcccTGTA CA	16	(Sebastiaan H. Meijnsing et al. 2009)
Cgt	AGAACAttTGTACG	15	(Sebastiaan H. Meijnsing et al. 2009)
Cons	AGAACAaaaTGTA CC	15	(Sebastiaan H. Meijnsing et al. 2009)
FKBP5	AGAACAaggTGTTCT	15	(Sebastiaan H. Meijnsing et al. 2009)
hKLF15GRE1	caattacatgtgttctg	19	(Maki Asada et al. 2011)
hKLF15GRE2	ccggaacagcgtgtcccct	19	(Maki Asada et al. 2011)
hGRE 6.4	AGAACATTTTGTCCG	15	(Alex Yick-Lun So et al. 2007)
hGRE 12.1	AGAACAGAATGTCCT	15	(Alex Yick-Lun So et al. 2007)
hGRE 16.1#1	AGGACAGCCTGTCCT	15	(Alex Yick-Lun So et al. 2007)
hGRE 16.1#2	AGAACAGGATGTTTA	15	(Alex Yick-Lun So et al. 2007)
hGRE 19.2	GGAACACGGCGTCCC	15	(Alex Yick-Lun So et al. 2007)
hGRE 5.1	GGTACATTCTGTTCA	15	(Alex Yick-Lun So et al. 2007)
hGRE 6.1#1	AGAACAGGGTGTTCT	15	(Alex Yick-Lun So et al. 2007)
hGRE 6.1#2	AGCACATCGAGTTCA	15	(Alex Yick-Lun So et al. 2007)
hGRE 6.2	GGTACAGTTTGT TAC	15	(Alex Yick-Lun So et al. 2007)
hGRE 10.3	GGAACAGAAAGTATT	15	(Alex Yick-Lun So et al. 2007)
hGRE 10.4	GGTACAGACCGTTCT	15	(Alex Yick-Lun So et al. 2007)
hGRE 10.5	AGAACACAATGTTCT	15	(Alex Yick-Lun So et al. 2007)
hGRE X.1	AGCACACCCGGAGCA	15	(Alex Yick-Lun So et al. 2007)
hGRE X.2	AGAACATTGGGTTCC	15	(Alex Yick-Lun So et al. 2007)
CYP2C9	aacTGA ACTgaaTGTTTTgct	21	(Ferguson SS et al. 2005)
CYP2C9	cccaacTGA ACTgaaTGTTTgcttga	26	(Yuping Chen et al. 2003)
CYP2C8	ggtTTAACTggaTGTTTTgct	21	(Ferguson SS et al. 2005)
CYP2C19	ctcaatTGA ACTgaaTGTTTTgcttga	27	(Yuping Chen et al. 2003)
GM550	GATCTCTTATTATGACTCTTGCTTTCCTCTTCC	35	(Smith PJ et al. 2001)

Supplementary Table S1 (cont.)

A1AR	CAGAACAGTC	10	(Ren H and Stiles GL. 1999)
osteocalcin	agagGGTATAAACAGTGCTggagg	24	(Meyer T et al. 1997)
hElastinGRE1	GTGGCTTCCATGCTGTTCCCTGA	23	(Monaco MD et al. 1997)
hElastinGRE2	CACGACCCTCCCCTGTTCCATCC	23	(Monaco MD et al. 1997)
hElastinGRE3	CTCCCACCTCCCTGTTCCCCAC	23	(Monaco MD et al. 1997)
hElastinGRE4	TATCAGGAACAGAGTGTCTGGCG	24	(Monaco MD et al. 1997)
pGRE	AGAACATGATGTTCT	15	(Lundback T and Hard T. 1996)
pGR2	AGGACATGATGTCCT	15	(Lundback T and Hard T. 1996)
pHPV	GCTACATCCTGTTTT	15	Mittal R et al. 1993)
pHPV	GGCACAAAATGTGTT	15	Mittal R et al. 1993)
pHPV	TGTACATTGTGTCAT	15	Mittal R et al. 1993)
HPV Palindrome	AGAACANNNTGTTCT	15	Chan WK et al. 1989)
HPV Consensus	GGTACANNNTGTTCT	15	Chan WK et al. 1989)
HIV	GAGAACA	7	(Ghosh D. 1992)
hGH	GCGACAATGTGTCCT	16	(Slater EP et al. 1985)
hMTIIA	CGGTACACTGTGTCCT	16	(Slater EP et al. 1985)
MMTV	GGTTACAAACTGTTCT	16	(Slater EP et al. 1985)

Supplementary Table S2

MOTIF 1 RGWACABNNTGTYCH

letter-probability matrix: alength= 4 w= 15 nsites= 30 E= 0e+0

0.600000	0.033333	0.300000	0.066667
0.033333	0.033333	0.900000	0.033333
0.633333	0.100000	0.066667	0.200000
1.000000	0.000000	0.000000	0.000000
0.000000	1.000000	0.000000	0.000000
0.966667	0.033333	0.000000	0.000000
0.116667	0.183333	0.316667	0.383333
0.316667	0.183333	0.216667	0.283333
0.383333	0.183333	0.283333	0.150000
0.066667	0.066667	0.100000	0.766667
0.000000	0.000000	1.000000	0.000000
0.033333	0.000000	0.000000	0.966667
0.100000	0.266667	0.066667	0.566667
0.066667	0.800000	0.000000	0.133333
0.166667	0.166667	0.100000	0.566667

Supplementary Table S3

Gene	Putative Sites	Size (bp)	Start Position	End position	Strand	Detected by
Clusterin	AGCACAGGAAGTATT	15	132	146	-	FIMO
Clusterin	AACACAATTCTGTTTC	16	51	66	+	In-house script
Clusterin	TGTTTC	6	109	115	+	In-house script
Clusterin	AGATTGTGTCTT	12	276	287	+	In-house script
Clusterin	ACAGGGTGCCGC	12	638	650	+	In-house script
LEDGF/p75	GAAACCCTACGTCCC	15	611	625	-	FIMO
LEDGF/p75	TGTTTT	6	28	33	+	In-house script
LEDGF/p75	AGAACATGAATCTTT	15	315	329	+	In-house script