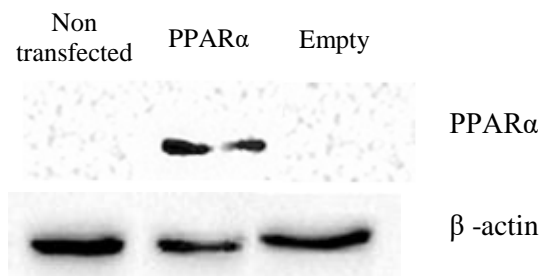
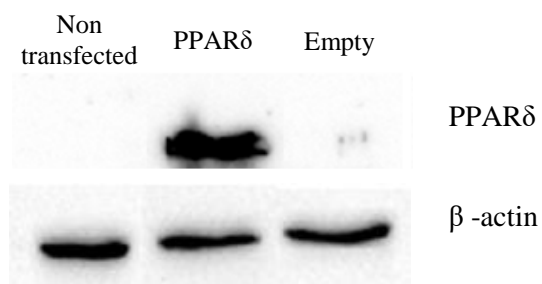


S1 Figure. Control of transfection

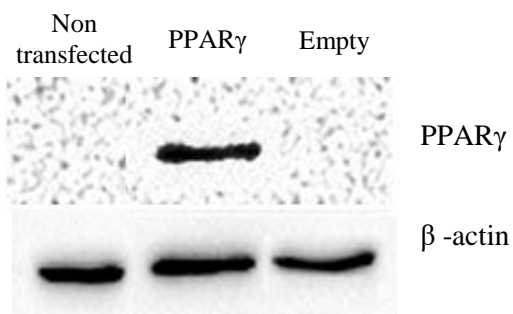
**A) PPAR $\alpha$**



**B) PPAR $\delta$**



**C) PPAR $\gamma$**



Non-transfected, wild MCF-7 cells; PPAR $\alpha$ , MCF-7 cells transfected with pcDNA 6.2PPAR $\alpha$  plasmid; PPAR $\delta$ , MCF-7 cells transfected with pcDNA 6.2PPAR $\delta$  plasmid; PPAR $\gamma$ , MCF-7 cells transfected with pcDNA 6.2PPAR $\gamma$  plasmid; Empty, MCF-7 cells transfected with pcDNA 6.2 plasmid; β -actin, actin beta.

S1 Table. Nucleotide sequences of primers

Gene	Primers forward 5'→3'	Primers reverse 5'→3'	NCBI Reference Sequence
<i>PPARA</i>	CGTTATCTGAAGAGTTCCTG	GTGAAAGCGTGTCCCGTGATG	NM_001001928.2
<i>PPARD</i>	CACATCTACAATGCCTACCTGA	CTGCCTGCCACAATGTCTCG	NM_001171820.1
<i>PPARG</i>	TGGAACCTTGATGACAGTGACCT	TGTCAGAGCTCAGGCACAGT	NM_005037.5
<i>TCF20</i>	GAGCAGCCTTTGTTGTAGCAG	GGTTTGTGGCAGGCTCTATG	NM_005650
<i>THRB</i> ( <i>TRβ2</i> )	TGCCCAGACCTTCCAAACG	AACCCTTGCAGCCTTCACAC	NM_001252634.1
<i>WT1</i>	CATGCTTGAATGAGTGGTTG	CGCAATCAGGGTTACAGCAC	NM_000378
<i>ZNF621</i>	GCATAATTCTCCAGCATCACC	ACCCAGAAGACAGTGCATGA	NM_001098414.2
<i>ACTB</i>	GCTGGGGTGTTGAAGGTCTC	CGGCATCGTCACCAACTG	NM_001101.3
<i>GAPDH</i>	ACCATCTTCCAGGAGCGAGA	GACTCCACGACGTAATCAGC	NM_001289746.1
<i>HPRT1</i>	CAGAGGGCTACAATGTGATG	TGGCGTCGTGATTAGTGATG	NM_000194.2
<i>HSP90AB1</i>	CCACTTGGCAGTCAAGCACT	CACACGGCGGACATAGAGTT	NM_001271972.1

*ACTB*, actin, beta; *GAPDH*, glyceraldehyde-3-phosphate dehydrogenase; *HPRT1*, hypoxanthine phosphoribosyltransferase 1; *HSP90AB1*, heat shock protein 90kDa alpha (cytosolic); *PPARA*, peroxisome proliferator activated receptor alpha; *PPARD*, peroxisome proliferator activated receptor delta; *PPARG*, peroxisome proliferator activated receptor gamma; *TCF20*, transcription factor 20; *THRB*, thyroid hormone receptor beta; *WT1*, wilms tumor 1; *ZNF621*, zinc finger protein 621;

S2 Table. **Control of transfections****A)**

PPARA	Cells	Plasmid control		Insert control	
		MCF-7	MCF-7 pcDNA6.2 PPARA	MCF-7	MCF-7 pcDNA6.2 PPARA
Primers	Forward	TTGGCACCAAAATCAACGG		ACAAGTGCCTGAGCGTGGG	
	Reverse	TCTCCAGGCGATCTGACGG		CTTCAGGTCGGCTGTCTCG	
	Cq value I	N/A	8,04	N/A	11,22
	Cq value II	N/A	10,31	N/A	7,04
	Cq (ACTB) I	20,83	21,81		
	Cq (ACTB) II	20,83	21,23		

**B)**

PPARD	Cells	Plasmid control		Insert control	
		MCF-7	MCF-7 pcDNA6.2 PPARD	MCF-7	MCF-7 pcDNA6.2 PPARD
Primers	Forward	TTGGCACCAAAATCAACGG		ACAAGTGCCTGAGCGTGGG	
	Reverse	TCTCCAGGCGATCTGACGG		CTTCAGGTCGGCTGTCTCG	
	Cq value I	N/A	8,67	N/A	5,68
	Cq value II	N/A	11,01	N/A	11,94
	Cq (ACTB) I	22,49	25,47		
	Cq (ACTB) II	22,19	25,01		

**C)**

PPARG	Cells	Plasmid control		Insert control	
		MCF-7	MCF-7 pcDNA6.2 PPARG	MCF-7	MCF-7 pcDNA6.2 PPARG
Primers	Forward	TTGGCACCAAAATCAACGG		CAGGGCTTCATGACCAGAGA	
	Reverse	TCTCCAGGCGATCTGACGG		GCTGTCGTCCAGTTCCAGG	
	Cq value I	N/A	9,14	N/A	5,65
	Cq value II	N/A	10,53	N/A	5,77
	Cq (ACTB) I	23,87	24,04		
	Cq (ACTB) II	23,9	24,1		

**D)**

Nucleotide sequences of primers

Target	Primers forward 5'→3'	Primers reverse 5'→3'
pPPARA-137-DNAiRNA	ACAAGTGCCTGAGCGTGGG	CTTCAGGTCGGCTGTCTCG
pPPARD-136-DNAiRNA	TGGAAGTGGACGACAGCGA	TGCAGATGGAAGTGGAGGG
pPPARG-114-DNAiRNA	CAGGGCTTCATGACCAGAGA	GCTGTCGTCCAGTTCCAGG
cDNA6-CMV-136-DNA	TTGGCACCAAAATCAACGG	TCTCCAGGCGATCTGACGG