

The Endocannabinoid Anandamide has an anti-inflammatory effect on CCL2 expression in vascular smooth muscle cells

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Short running title: Anandamide and vascular anti-inflammatory actions

Supplemental Tables

Table 1 siRNAs used in this study

Gene	Cat. No.	Company
NCoR1	#HSS114352	Stealth siRNA, Thermofisher
Sin3A	#J-012990-05-0002	Dharmacon
LCoR1	#J-015742-17-0002	Dharmacon
RCOR1	#J-014076-06-0002	Dharmacon
SMRT	#HSS114356	Stealth siRNA, Thermofisher

Gene	Cat. No.	Company
HDAC4	#HSS114673	Stealth siRNA, Thermofisher
HDAC5	#HSS173323	Stealth siRNA, Thermofisher
HDAC7	#HSS147499	Stealth siRNA, Thermofisher
HDAC9	#HSS114607	Stealth siRNA, Thermofisher
siScr1	#12935-200	Stealth siRNA, Thermofisher
siScr2	#12935-300	Stealth siRNA, Thermofisher
siScr3	#12935-400	Stealth siRNA, Thermofisher

Table 2 Primer sequences for RT-qPCR

Gene	Primer	Sequence (5'-3')
Human CCL2	forward	CAA GCA GAA GTG GGT TCA GGA T
	reverse	TTA GCT GCA GAT TCT TGG GTT GT
Murine CCL2	forward	CCA CTC ACC TGC TGC TAC TCA TTC
	reverse	GTC AC TCC TAC AGA AGT GCT TGA GG
Human NCoR1	forward	GAT CAC CAG GTC CAT GAC AAA C
	reverse	TTC GTT CCC ACC ATT TTA GCA A
Human GAPDH	forward	TGC ACC ACC AAC TGC TTA GC
	reverse	GGC ATG GAC TGT GGT CAT GAG
Murine α-Actin	forward	ACA GAG GCA CCA CTG AAC CCT AAG
	reverse	ACA ATC TCA CGC TCG GCA GTA GTC
human HDAC4	forward	GAA ACG AGC TTG ATC CTC TCC CAG
	reverse	GCT TCA CGC CCA CGG ACA GCG AG

Gene	Primer	Sequence (5'-3')
human HDAC5	forward	TCT GAG GCT TGT GTC TCG GCT CTG
	reverse	AGG CTC CTG CTC CAT GGG CTC CTC
human HDAC7	forward	TCT TCT GGG TAA CAG GGT GGA TC
	reverse	ACC AGC TGC TCC GAG GGC CTA TC
human HDAC9	forward	TCA GGA CCA TCG TGA AGC CTG TG
	reverse	TGC AAG TGG CTC CAG CTC ATT TCC

Table 3 Primer sequences for ChIP qPCR

Locus	Primers	Sequence (5'-3')
CCL2 TSS	forward	TCC CTC CTC CTG CTT GAC TC
	reverse	AGT CTC AGC CTC TCG GTT CC
CCL2 -200 bp	forward	GCT TCA GAG AAA GCA GAA TC
	reverse	TTC ACT GCT GAG ACC AAA TG
CCL2 -600 bp	forward	AGC AGG CTA TTT AAC CCT TC
	reverse	GGC ATA GAC AGC ATG TAG TG
CCL2 -1000 bp	forward	ATA TTC CTG GCA GAG TAA GC
	reverse	TCA TAG AAG CCT AGC AGA AC
GAPDH	forward	TGG TGT CAG GTT ATG CTG GGC CAG
	reverse	GTG GGA TGG GAG GGT GCT GAA CAC

Table 4 Primary antibodies used in this study

Protein	Order No.	species	company
MCP-1	# sc-52877	rabbit	Santa Cruz
β-Tubulin	# sc-9104	rabbit	Santa Cruz
Topoisomerase I	# sc-5342	goat	Santa Cruz

Protein	Order No.	species	company
HDAC4	# A303-467	rabbit	Bethyl Laboratories
NCoR1	#LS-C108878- 100	mouse	LsBio (für PLA)
NCoR1	# A301-145	rabbit	Bethyl Laboratories
p65 NFkB	# sc-109	rabbit	Santa Cruz
H3K4me1	# C15410037	rabbit	Diagenode
H3K4me3	# pAb-003-050	rabbit	Diagenode
H3K27ac	# pAB-174-050	rabbit	Diagenode
H3K27me3	# pAB-069-050	rabbit	Diagenode
H3-pan	# C15200011	mouse	Diagenode
Polymerase II	# C15100055	mouse	Diagenode
β-Actin	# A1978	mouse	Sigma
p-JNK	# 4688	rabbit	Cell Signaling
JNK	# sc-1648	mouse	Santa Cruz
p38	# ab31828	mouse	Abcam
p-p38	# 9211	rabbit	Cell Signaling
ERK1/2	# 4696	mouse	Cell Signaling
p-ERK1/2	# 9101	rabbit	Cell Signaling
IgG	# C15410206	rabbit	Diagenode