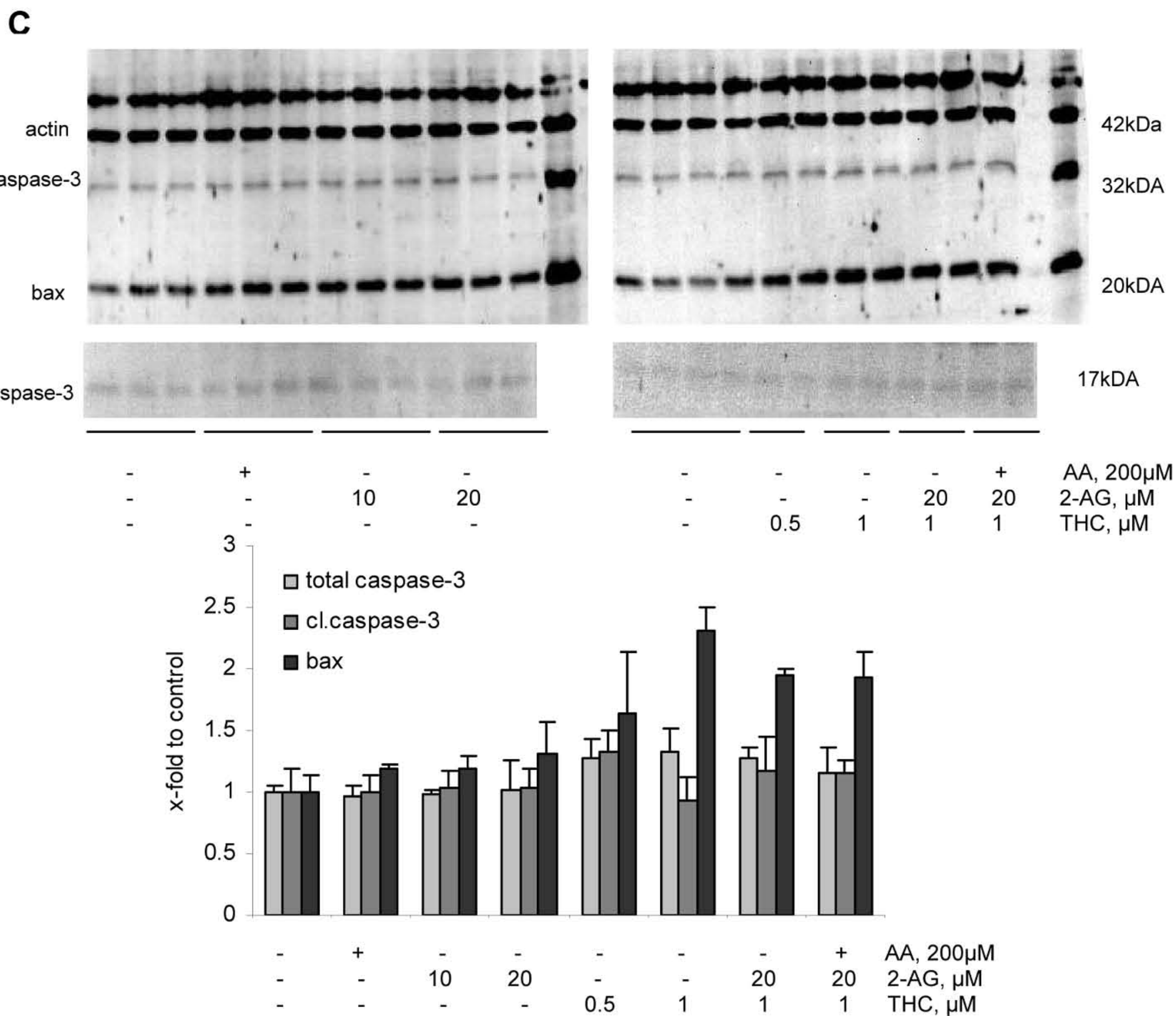
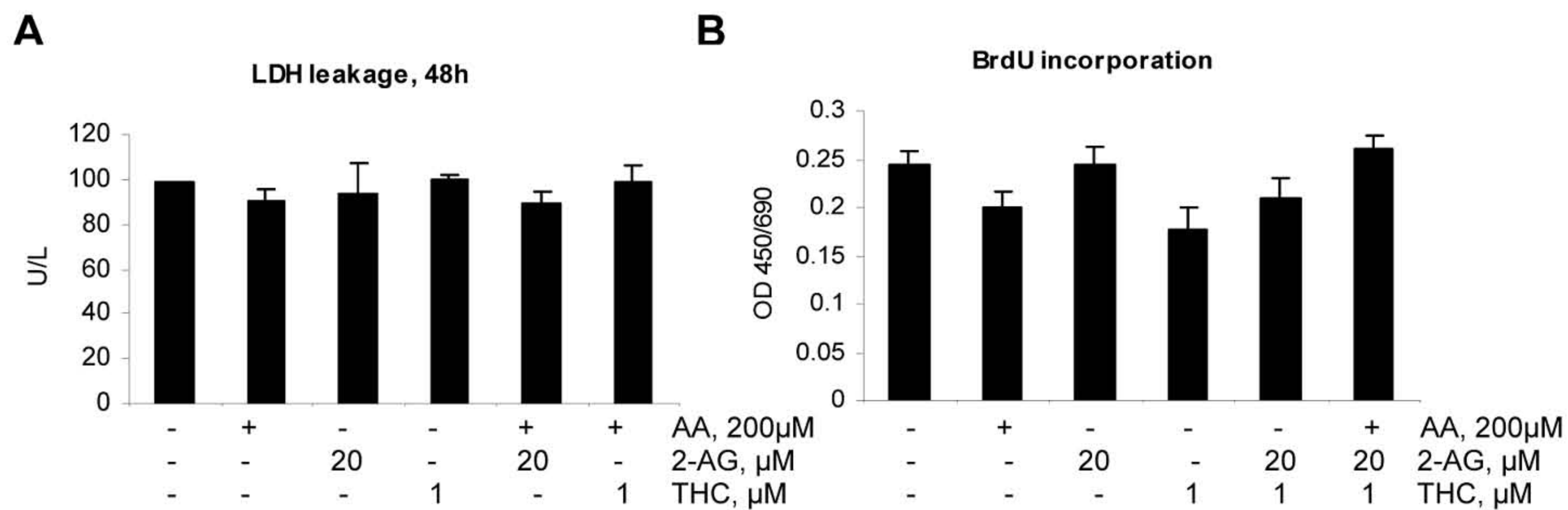
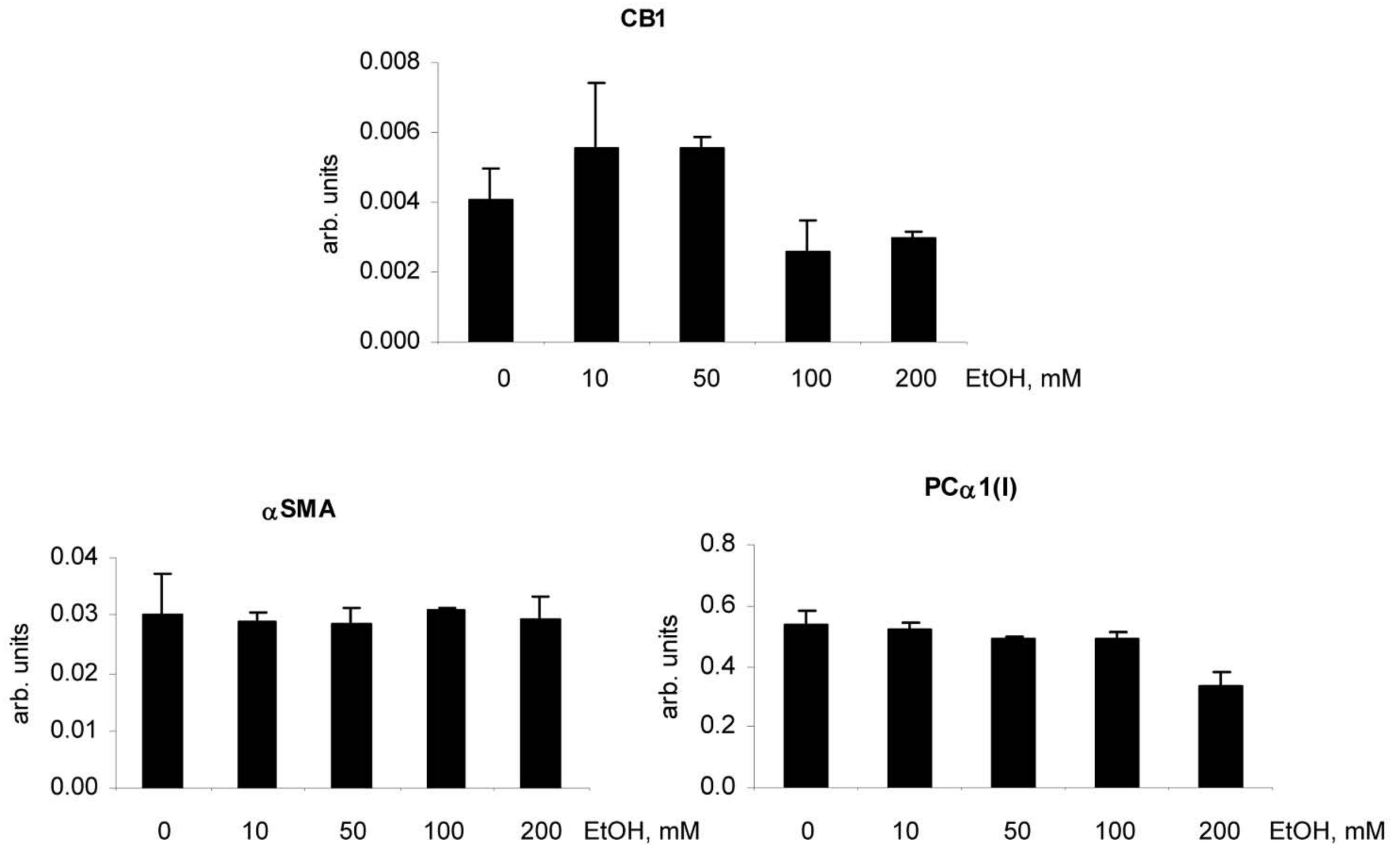


Supplementary Figure 1. *The effects of endo- and exocannabinoids on HSC proliferation and apoptosis.* (A) LDH leakage after 48 h, (B) DNA synthesis (BrdU incorporation) and (C) caspase-3 and bax, measured by Western Blotting after 24 h treatment with 2-AG or THC alone, or in combination with AA (means \pm SD).



Supplementary Figure 2. *The effect of EtOH on HSC gene expression. CB1, PC α 1(I) and α SMA mRNA expression, measured by TaqMan PCR and normalized to GAPDH. (means \pm SD).*



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Supplementary Table 1 Primers and probes used for TaqMan PCR

Target gene*	5'-Primer	Probe	3'-Primer
CB1 (h)	TCCGCATGATTGAGCGTG	CCCAGAAGAGCATCATCATCACACG	ACCTGTACCTTCCCATCTCA
CB1 (r)	GACTTCCATGTATTCCACCGTAAAG	CAGCCCCAATGTGTTTCTGTTC	GGCTGTAACCCACCCAGTT
CB2 (h)	CCGCCATTGACCGATACCT	TGCCTGCGCTATCCACCTTC	ACGGGTGAGCAGAGCTTTGT
PC α1(I) (h)	CAGCCGCTTACCTACAG	TGGCTGCACGAGTCACACCCGG	GGTTTTGTATTCAATCACTGTCTT
PC α1(I) (m)	TCCGGCTCCTGCTCCTCTTA	TTCTTGGCCATGCGTCAGGAGGG	GTATGCAGCTGACTTCAGGGATGT
PC α1(I) (r)	TCCGGCTCCTGCTCCTCTTA	TTCTTGGCCATGCGTCAGGAGGG	GTATGCAGCTGACTTCAGGGATGT
αSMA (r)	GCTGACAGGATGCAGAAGGA	CACCATGAAGATCAAGATTATTGCTCCTCCAG	GCCGATCCAGACAGAAATTTTG
αSMA (m)	ACAGCCCTCGCACCCCA	CAAGATCATTGCCCTCCAGAACGC	GCCACCGATCCAGACAGAGT
TIMP-1 (m)	TCCTCTTGTTGCTATCCTGATAGCTT	TTCTGCAACTCGGACCTGGTCATAAGG	CGCTGGTATAAGGTGCTCTCGTT
TIMP-1 (r)	TCCTCTTGTTGCTATCCTGATAGCTT	TTCTGCAACTCGGACCTGGTATAAGG	CGCTGGTATAAGGTGGTCTCGAT
TGFβ1 (m)	AGAGGTCACCCGCGTGCTAA	ACCGCAACAACGCCATCTATGAGAAAACCA	TCCCGAATGTCTGACGTATTGA
TGFβ1 (r)	AGAAGTCACCCGCGTGCTAA	ACCGCAACAACGCAATCTATGACAAAACCA	TCCCGAATGTCTGACGTATTGA
MMP-3 (m)	GATGAACGATGGACAGAGGATG	TGGTACCAACCTATTCTGCTTGCTGC	AGGGAGTGGCCAAGTTCATG
MMP-2 (m)	CCGAGGACTATGACCGGGATAA	TCTGCCCGAGACCGCTATGTCCA	CTTGTTGCCAGGAAAGTGAAG
MMP-13 (m)	GGAAGACCCTCTTCTCTCT	TCTGGTTAACATCATCATACTCCACACGT	TCATAGACAGCATCTACTTTGTT
COX-2 (m)	CAAGCAGTGGCAAAGGCCT	CATTGACCAGAGCAGAGAGATGAAATACCAGTC	GCGTTTGCGGTACTCATTGA
TNFα (m)	GACCAGGCTGTGCTACATCA	TGAACCTCTGCTCCCCACGGGA	GTAGGGCGATTACAGCTACGG
iNOS (m)	GGCAGCCTGTGAGACCTTTG	TGTCCGAAGCAAACATCACATTCAGATCC	TTGCATTGGAAGTGAAGCGTT
GAPDH (h)	CCAGGAAATGAGCTTGACAAAGTT	TCGTTGAGGGCAATGCCAGCC	CTCCTCCACCTTTGACCGCTG
GAPDH (r)	CTGCCAAGTATGATGACATCAAGAA	TCCGCGCCTGCTTACCA	AGCCCAGGATGCCCTTTAGT
GAPDH (m)	ACTGGCATGGCCTTCCG	TTCTACCCCAATGTGTCCGTCGT	CAGGCGGCACGTCAGATC

Abbreviations: α SMA – alpha smooth muscle actin; CB1/2 – cannabinoid receptors 1 and 2; COX-2 – cyclooxygenase-2; iNOS – inducible nitric oxide synthase; GAPDH -

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glyceraldehyd-3-phosphat-dehydrogenase; MMP – matrix metalloproteinase; PC α 1(I)
– procollagen alpha 1(I); TIMP-1 – tissue inhibitor of matrix metalloproteinase-1; TGF β
– transforming growth factor beta; TNF α – tumor necrosis factor alpha.

*CTGF (connective tissue growth factor), PDGF (platelet derived growth factor) and
MMP-9 - ready to use kits from Qiagen (Hilden, Germany) for which the sequences were
not provided.