

Induction of pro-inflammatory genes by serum amyloid A1 in human amnion fibroblasts

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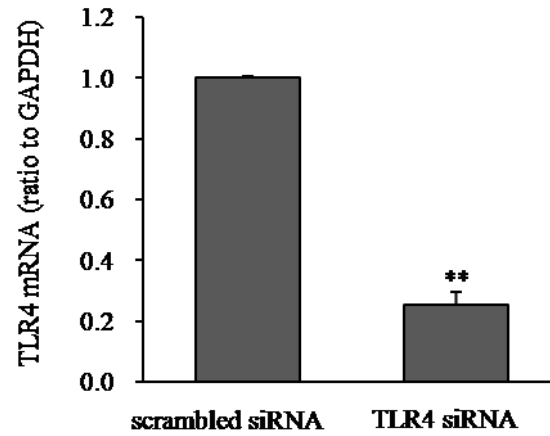
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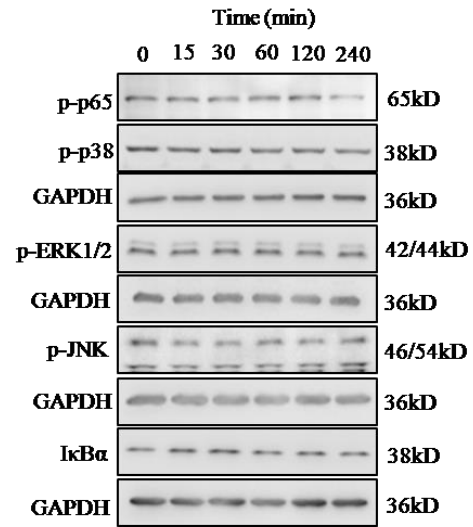
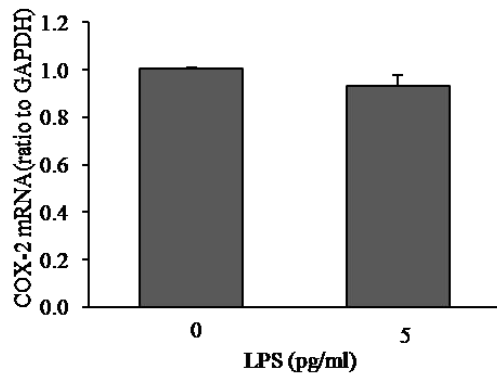
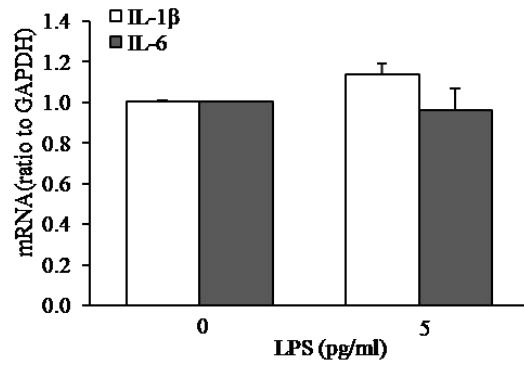
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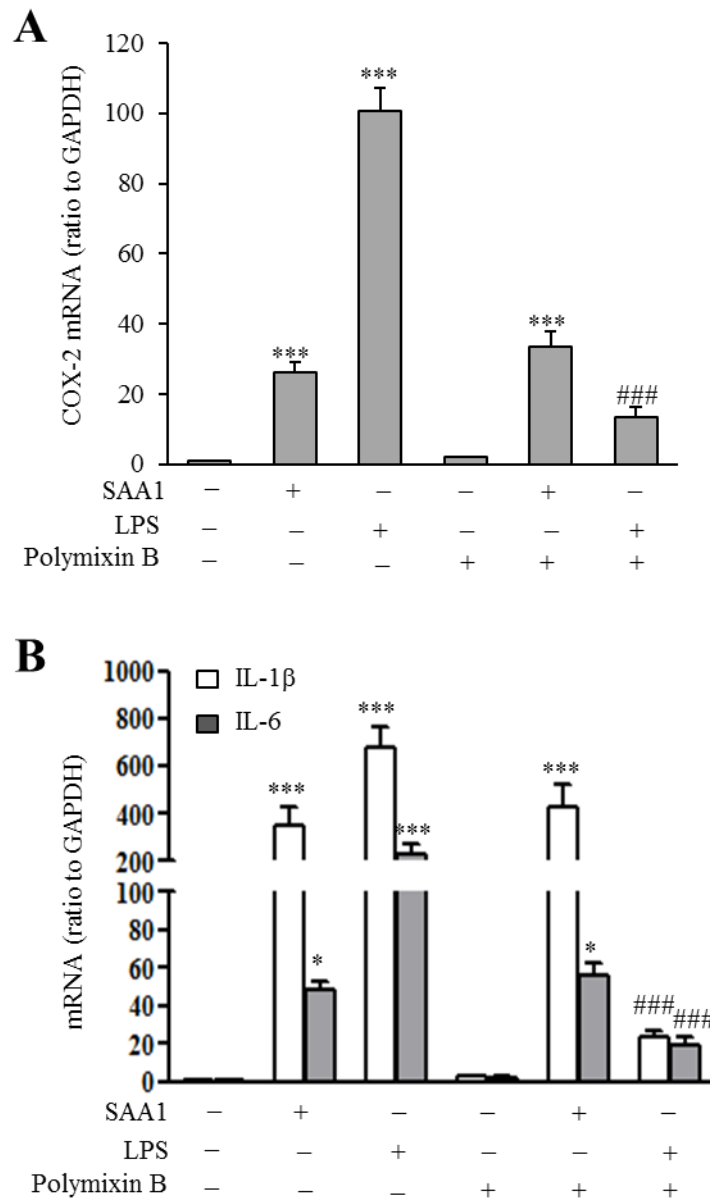
Supplementary figures and table



Supplementary Figure S1 Efficiency of siRNA-mediated knock-down of TLR4 in human amnion fibroblasts. Data are the mean \pm SEM. n = 4. Statistical analysis was performed with paired Student's t test. **P<0.01 vs scrambled siRNA.



Supplementary Figure S2 (A and B) LPS (5 $\mu\text{g/ml}$, 24 hours) had no effect on the expression of IL-1 β , IL-6 and COX-2 in human amnion fibroblasts. Data are the mean \pm SEM. n=3. **(C)** LPS (5 $\mu\text{g/ml}$) had no effect on either the abundance of phosphorylated p65, p38, ERK1/2 and JNK or the abundance of I κ B α .



Supplementary Figure S3 (A and B) LPS inhibitor Polymixin B (25 $\mu\text{g}/\text{mL}$, 24 hours) had no effect on SAA1 (10 ng/mL)-induced but blocked LPS (5 ng/mL)-induced expression of COX-2 (A), IL-1 β and IL-6 (B) in human amnion fibroblasts. Data are the mean \pm SEM. $n = 3$. * $P < 0.05$, *** $P < 0.001$ vs control (0); ### $P < 0.001$ vs LPS.

Supplementary Table S1 Primer sequences used for qRT-PCR

Genes	Primers sequence
<i>IL1B</i>	Forward: 5'-CCACCTCCAGGGACAGGATA -3' Reverse: 5'-AACACGCAGGACAGGTACAG -3'
<i>IL6</i>	Forward: 5'-CTTCGGTCCAGTTGCCTTCT -3' Reverse: 5'-GTGCCTCTTTGCTGCTTTCA -3'
<i>PTGS2</i>	Forward: 5'-TGTGCAACACTTGAGTGGCT -3' Reverse: 5'-ACTTTCTGTACTGCGGGTG -3'
<i>TLR4</i>	Forward: 5'-AAAATCCCCGACAACCTCCC-3' Reverse: 5'-AGAGGTGGCTTAGGCTCTGA-3'
<i>GAPDH</i>	Forward: 5'-CCCCTCTGCTGATGCCCCCA-3' Reverse: 5'-TGACCTTGGCCAGGGGTGCT-3'