1	Nitro-oleic acid downregulates lipoprotein-associated
2	phospholipase A2 expression via the p42/p44 MAPK and NFκB pathways
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17 Supplementary figures

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19 Supplementary figure S1



Figure S1. THP-1 cells were incubated with OA at the indicated concentrations for 1 h and then stimulated with PMA (0.05 μM). A, the relative Lp-PLA2 mRNA expression levels were determined after 12 h at different concentrations. B, the relative Lp-PLA2 mRNA expression levels were determined at the concentration of 5 μM in different hours.

25 Supplementary figure S2



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Figure S2. OA-NO2 downregulates 29 HUVECs. Lp-PLA2 expression in 30 **HUVECs** were incubated with OA-NO2 the indicated at concentrations for 12 h without PMA. Then, the relative Lp-PLA2 mRNA expression levels were determined.

31 Supplementary figure S3



 Figure S3. Peripheral blood mononuclear cells isolated from WT pigs
were incubated with OA-NO2 and OA at the indicated concentrations for 12 h, and then the relative Lp-PLA2 mRNA expression levels were determined.

44 Supplementary figure S4





⁴⁷ Figure S4. The cell viability affected by the addition of OA-NO2 and
⁴⁸ OA. Approximately 2500 THP-1 cells/well were plated in 96-well plate
with 100 μL medium with OA-NO2 or OA for 12h, then, the CCK-8
was added into the medium and The relative cell viability determined
by a 96-well plate reader at an absorbance value of 450 nm after 4h.

49 Supplementary figure S5



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- Figure S5. The effect of OA-NO2 on the classical NFκB pathway. THP-1 cells were incubated with OA-NO2, PDTC and LPS at the indicated concentrations for 1 h and then stimulated with PMA (0.05 μM). The degradation of IκBα were determined after stimulation with PMA for 24 h