

Figure S1. Identification for the binding of oxLDL/ β 2GPI complex, oxLDL/anti- β 2GPI Ab complex and oxLDL/ β 2GPI/anti- β 2GPI Ab complex. The formation of oxLDL/ β 2GPI complex, oxLDL/anti- β 2GPI Ab complex and oxLDL/ β 2GPI/anti- β 2GPI Ab complex was detected using ELISA. The experiments were repeated three times and the mean data are presented. ** $P < 0.01$ vs. Blank control. β 2GPI, β 2 glycoprotein I; Ab, antibody; OxLDL, oxidized low-density lipoprotein; OD, optical density.

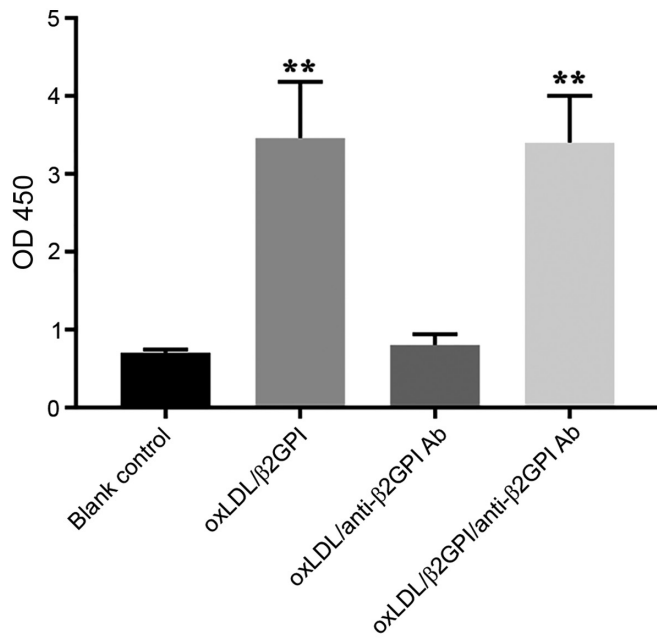


Figure S2. Effects of the oxLDL/ β 2GPI/anti- β 2GPI Ab complex on the phosphorylation of AKT. Human umbilical vein endothelial cells were treated with DMEM, oxLDL/ β 2GPI/anti- β 2GPI Ab complex or LPS. (A) Western blotting was used to analyze the phosphorylation levels of AKT. (B) Densitometric semi-quantification of the phosphorylation levels of AKT. * $P < 0.05$ vs. corresponding DMEM group. OxLDL, oxidized low-density lipoprotein; β 2GPI, β 2 glycoprotein I; Ab, antibody; LPS, lipopolysaccharide; p-, phosphorylated; t-, total.

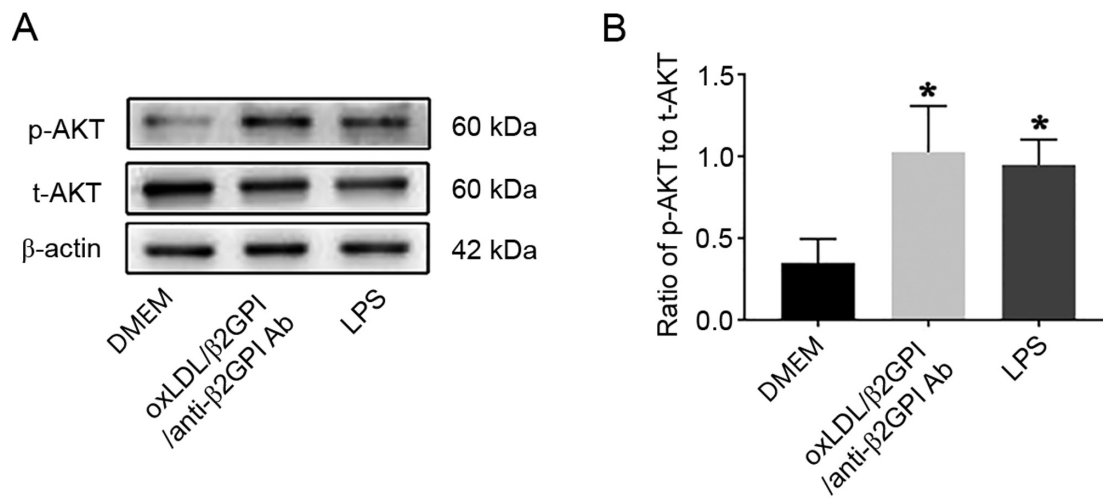


Table SI. Genes and sequence of primer pairs used for reverse transcription-quantitative PCR.

Gene name	Sequence of primer pairs, 5'→3'	GenBank accession
IL-1 β (144 bp)	Forward: TCGCCAGTGAAATGATGGCT Reverse: GGTCGGAGATTCGTAGCTGG	NM_000576.3
IL-6 (150 bp)	Forward: TGCAATAACCACCCCTGACC Reverse: ATTTGCCGAAGAGCCCTCAG	NM_001371096.1
TNF- α (116 bp)	Forward: GGTTGAGGGTGTCTGAAGGA Reverse: TCTGGGCAGGTCTACTTTGG	NM_000594.4
ICAM-1 (69 bp)	Forward: AGCTTCGTGTCCTGTATGGC Reverse: TTTCTGGCCACGTCCAGTTT	NM_000201.3
VCAM-1 (143 bp)	Forward: GATTGAAGGATGCGGGAGTAT Reverse: GGATGCAAATAGAGCACGAG	NM_001078.4
MCP-1 (120 bp)	Forward: AGCAGCAAGTGTCCCAAAGA Reverse: TTGGGTTTGCTTGCCAGGT	NM_002982.4
TLR4 (232 bp)	Forward: CACCTGATGCTTCTTGCT Reverse: TCACCTTTCGGCTTTTAT	NM_003266.4
β -actin (265 bp)	Forward: CACGAACTACCTTCAACTCC Reverse: CATACTCCTGCTTGCTGATC	NM_001101.5

ICAM-1, intercellular adhesion molecule-1; VCAM-1, vascular adhesion molecule-1; TLR4, Toll-like receptor 4; MCP-1, monocyte chemoattractant protein 1.