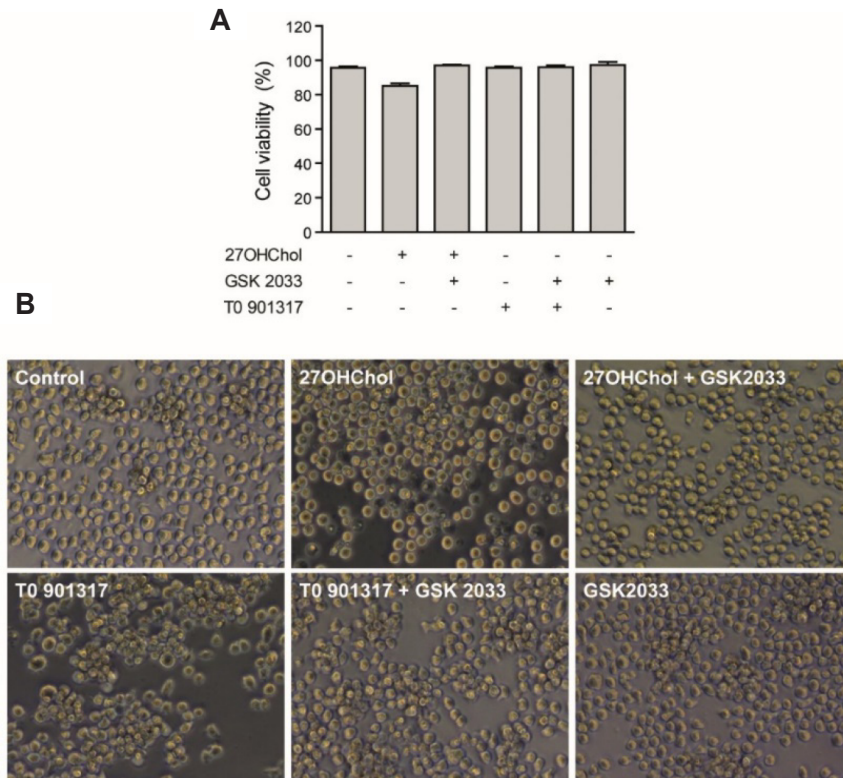


**Supplementary Fig. 1. Effects of GSK 2033 on the transcription ABCG1 gene.** THP-1 cells were serum-starved overnight and treated with GSK 2033 (1  $\mu$ M) for 2 h. Cells were further stimulated with 27OHChol (2.5  $\mu$ g/ml) or TO 901317 (1  $\mu$ M) for 48 h in RPMI media supplemented with 10% FBS. The levels of ABCG1 gene transcripts were assessed by real-time PCR with primers of 5'-CCG ACC GAC GAC ACA GAG A-3' (forward) and 5'-GCA CGA GAC ACC CAC AAA CC-3' (reverse). Data are expressed as the means  $\pm$  standard deviation (n = 3 replicates for each group). The results are representative of 3 independent experiments. \*\*\*p < 0.001 vs. control; ##p < 0.001 vs. 27OHChol or TO 901317; #p < 0.05 vs. 27OHChol or TO 901317.



**Supplementary Fig. 2. Effects of 27OHChol, GSK 2033, and TO 901317 on cell viability.** THP-1 cells ( $2.5 \times 10^5$  cells/ml) were serum-starved overnight and treated with GSK 2033 ( $1 \mu\text{M}$ ) for 2 h, followed by incubation with 27OHChol ( $2.5 \mu\text{g/ml}$ ) or TO 901317 ( $1 \mu\text{M}$ ) for 48 h in RPMI 1640 media supplemented with 10% FBS. (A) Cell viability was determined by using an EVE Automatic cell counter. (B) The images of cells treated with indicated reagents were photographed (100 $\times$ ).