

Supplemental Table 1. Sequences of RT-PCR oligonucleotide primers and probes.

Gene	probe	primer
<i>TSC22D3</i>	#68	Left: tggaggccatagacaacaag Right: ttctctccaccagctctcg
<i>TRIB3</i>	#67	Left: gtcttcgctgaccgtgaga Right: cagtcagcacgcaggagtc
<i>PCK2</i>	#61	Left: ccacctggtgttactgtgacc Right: aatcgagagttgggatgtgc
<i>DDIT4</i>	#69	Left: ctggacagcagcaacagtg Right: acacccatccaggttaagc
<i>TBP</i>	#51	Left: cccatgactcccatgacc Right: ttacaaccaagattcactgtgg

Figure S1

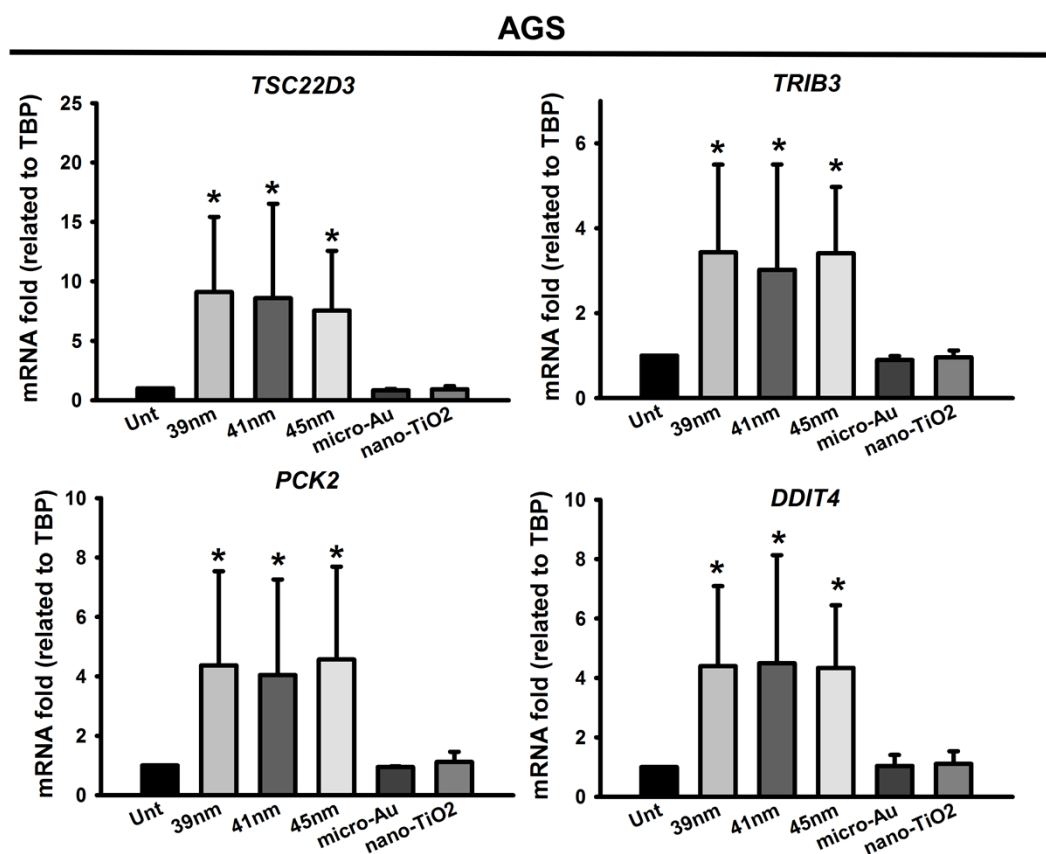


Figure S1. qPCR of *TSC22D3*, *TRIB3*, *PCK2* and *DDIT4* in AGS cells. AGS cells were exposed to 360 ng/ml of 39-, 41-, or 45-nm AuNPs, micro-Au, or nano-TiO₂ for 24 h, and then the mRNA levels of these four genes were determined by qPCR.

* $P < 0.05$.

Figure S2

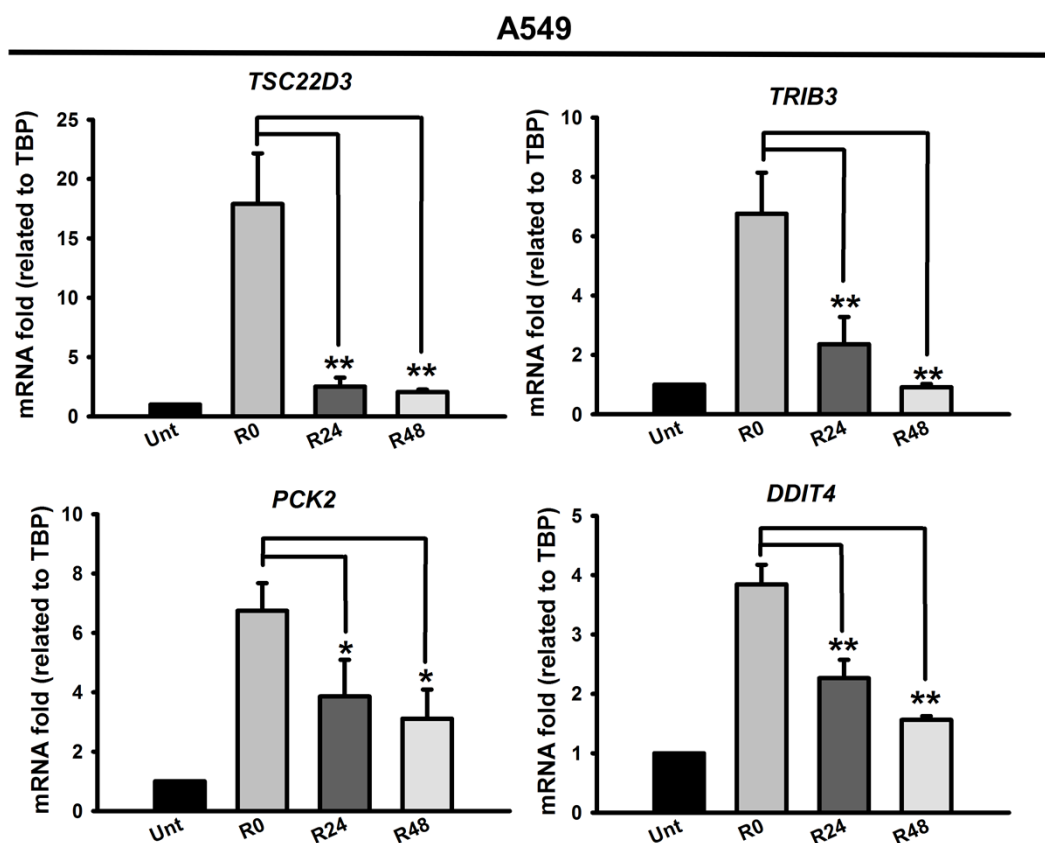


Figure S2. The induction of *TSC22D3*, *TRIB3*, *PCK2* and *DDIT4* expression was dependent on the existence of AuNPs. A549 cells were exposed to 360 ng/ml of 41-nm AuNPs for 24 h, and then the AuNP-contained medium was removed and the cells were washed by PBS twice. The cells were then continually in fresh medium for another 24 and 48 h. mRNA levels of these four genes were determined by qPCR at indicated time periods. * $P < 0.05$; and ** $P < 0.01$.