

Supplementary Information

Table S1. The primers sequences for q-PCR. *PERK* (Genebank: 102406027), *IRE-1* (102404660), *EIF-2A* (Genebank:102389500), *ATF4* (Genebank:102393344), *ATF6*(Genebank:102394003), *BCL-2*(Genebank:102402077), *BAX*(Genebank:102400076), *Caspase3* (Genebank:102415768), *Caspase9* (Genebank:102412012).

Table S1. Primer sequence.

Primer	Primer sequence
PERK-F	ATCAGCACTTTAGATGGCCG
PERK-R	GGTTTGCTAAGGCTGGATGA
IRE1-F	TTACGATCCCTGAGTTGGTG
IRE1-R	ATAACGTACCAAATGTCCTGC
EIF-2A-F	GGAACAGACGCTGCACTAC
EIF-2A-R	GCTTTGGCAGGCATGAACC
ATF-4-F	AAACCCTACGACCCTCCTG
ATF-4-R	GCCCTCTTCTTCTGGCGGTA
ATF-6-F	GAACCTCAGCCACTTTCGC
ATF-6-R	CTGAGGAGGGGTTATTGGAGC
BCL-2-F	GACCCGACGGCAGGAGAA
BCL-2-R	CCCAAGATGGCTGGAATGAG
BAX-F	GCAAACCTGGTGCTCAAGGC
BAX-R	GAGCACTCCAGCCACAAGA
Caspase3-F	AATACCAGTTGAGGCAGA
Caspase3-R	GTCCGAGAACACTCTACG
Caspase9-F	CCTACGTCCTGAATGCAGACCC
Caspase9-R	GTGCTCAGCCCCGAGTCCC

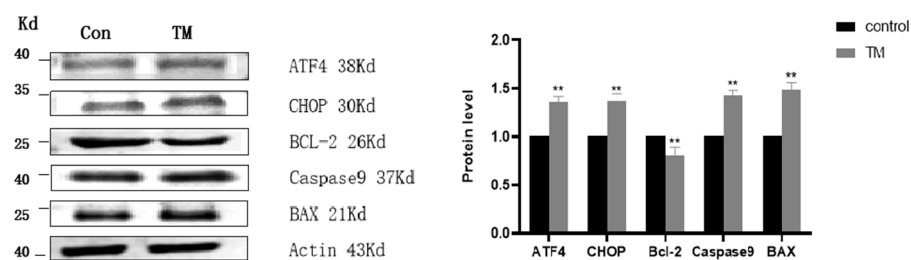


Figure S1. Figure 2C Western blot densitometric readings. Effect of TM on ER stress and apoptosis-related proteins. (A) (left) Representative western blot of TM treatment of GCs after 48 h. (right) Densitometry analysis of the western blot in A. The asterisks refer to the level of significance (* $p < 0.05$, ** $p < 0.01$).

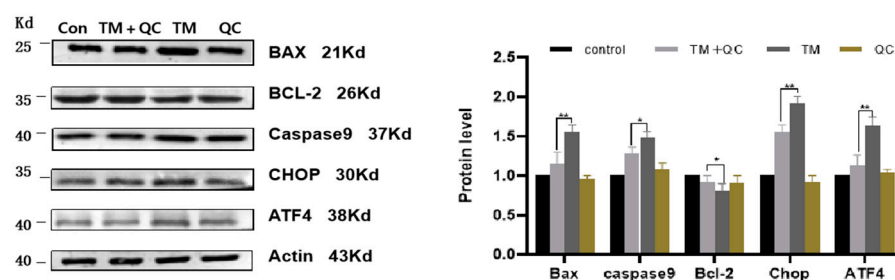


Figure S2. Figure 4B Western blot densitometric readings. Effect of quercetin pre-treatment on ER stress and apoptosis-related proteins. (A) (left) Representative western blot of QC pre-treatment of GCs after 8 hours. (right) Densitometry analysis of the western blot in A. The asterisks refer to the level of significance (* $p < 0.05$, ** $p < 0.01$).