

Figure S1. Treatment with G-Rh2 induced almost no death in End1/e6e7 cells. Flow cytometry was used to detect the apoptotic rate of End1/e6e7 cells after G-Rh2 treatment. The early apoptotic rate was quantified by IDEAS software v6.1. Data are presented as the mean \pm standard deviation of three independent experiments and were analyzed by one-way ANOVA followed by Dunnet's post-hoc test. ns >0.05 vs. control, indicated no statistically significant difference. G-Rh2, ginsenoside Rh2; ns, not significant.

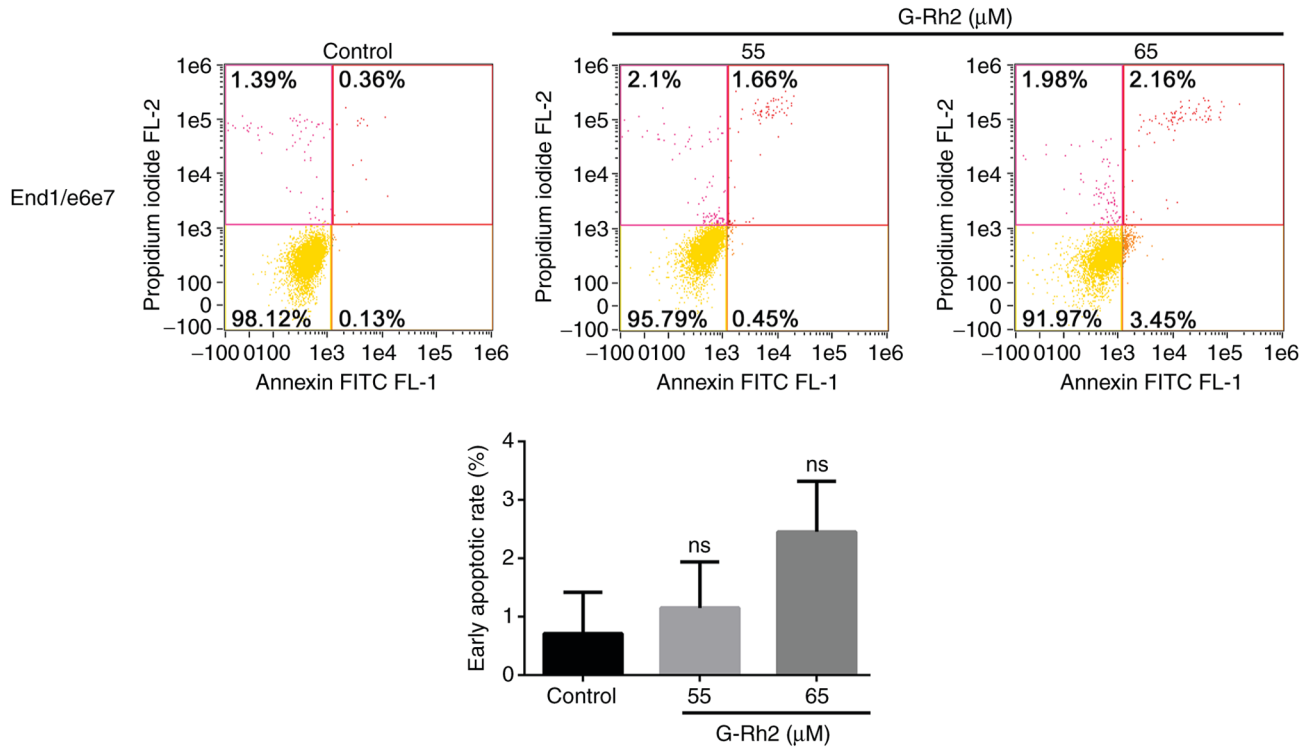


Figure S2. Greater inhibition of mitochondrial OXPHOS than of glycolysis in HeLa cells exposed to G-Rh2. (A) OCR curves after G-Rh2 treatment, as measured by the Seahorse XFp Mitochondrial Stress Test Kit. (B) Related indicators of mitochondrial OXPHOS including basal OCR, ATP-linked, proton leak, maximal OCR and reserve capacity after G-Rh2 treatment were calculated according to the OCR curves. (C) Curves of ECAR rates after G-Rh2 treatment, as detected by the Seahorse XFp Glycolysis Stress Test Kit. (D) Related indicators of glycolysis including glycolysis, glycolytic reserve and glycolytic capacity after G-Rh2 treatment were calculated according to the ECAR curves. The histograms were created separately but then plotted together. Data are presented as the mean \pm standard deviation of three independent experiments and were analyzed by one-way ANOVA followed by Dunnet's post-hoc test. * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$ vs. control. G-Rh2, ginsenoside Rh2; MMP, mitochondrial membrane potential; mtROS, mitochondrial reactive oxygen species; OCR, oxygen consumption rate; ECAR, extracellular acidification rate; OXPHOS, oxidative phosphorylation; FCCP, carbonyl cyanide-4-(trifluoromethoxy) phenylhydrazone; rot, rotenone (ETC complex I inhibitor); AA, antimycin A (ETC complex III inhibitor); 2-DG, 2-deoxy-d-glucose (glycolysis inhibitor); ETC, electron transport chain.

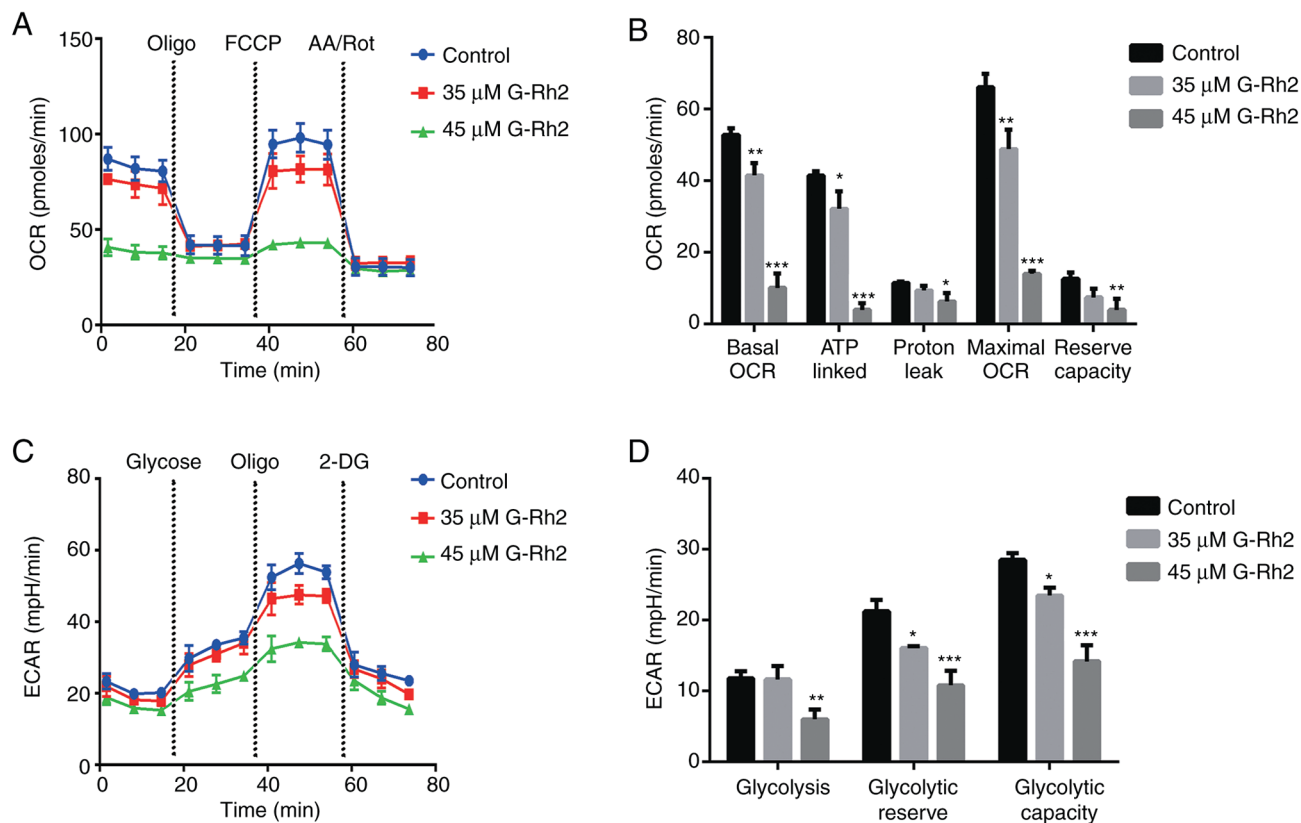


Table SI. Primer sequences used in the study.

Primer purpose/direction	Sequence (5'-3')	Enzyme
pET28a (+)-6xHis-ATP5F1B construction		
Sense	CGAGCTCGCGCAAACATCTCCTTCGC	<i>SacI</i>
Antisense	CCAAGCTTTCACGATGAATGCTCTTC	<i>HindIII</i>
pCMV-myc-UQCRC1 construction		
Sense	GGAATTCTAATGGCGGGCGTCCGTGG	<i>EcoRI</i>
Antisense	GGTACCCTAGAAGCGCAGCCAGAAC	<i>KpnI</i>
pCMV-10-Flag-NDUFS1 construction		
Sense	ATAAGAATGCGGCCGCTATGTTAAGGATAC	<i>NotI</i>
Antisense	GGATCCTCAGCATATGGATGGTTCC	<i>BamHI</i>