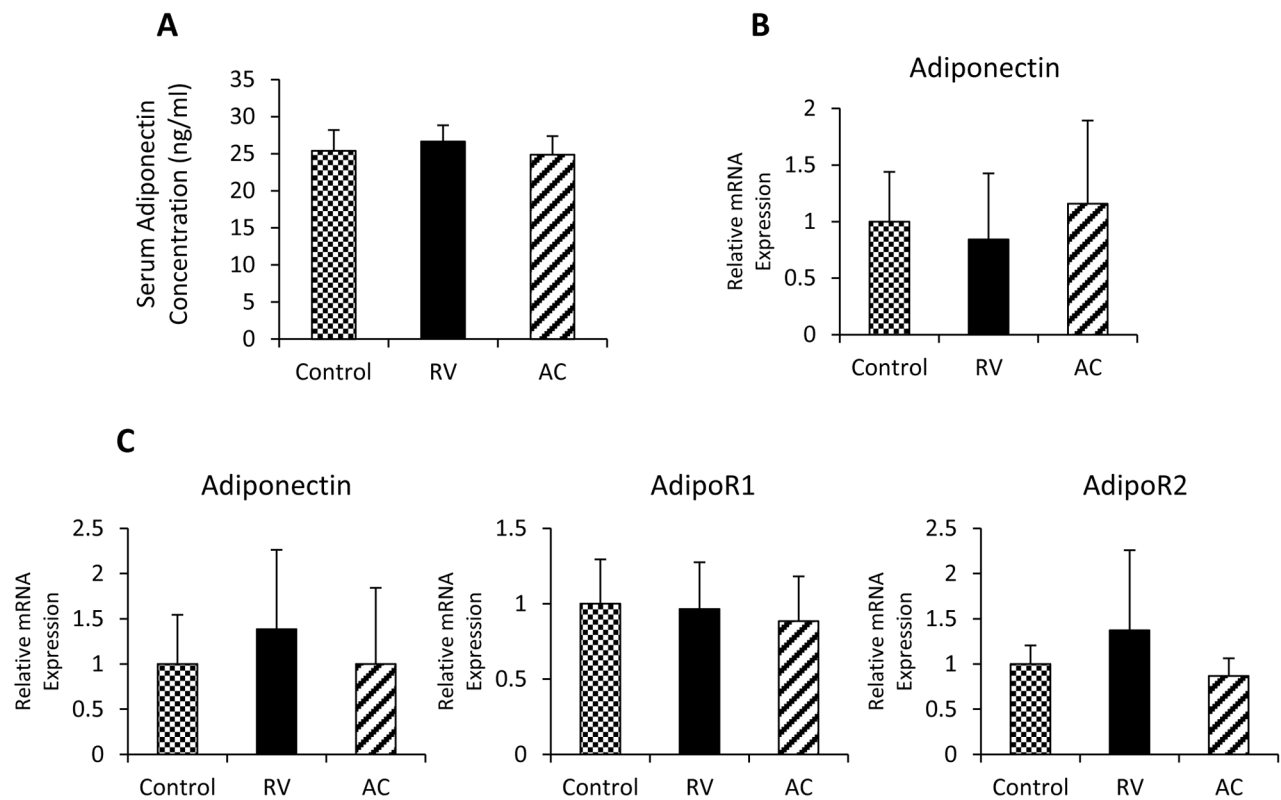
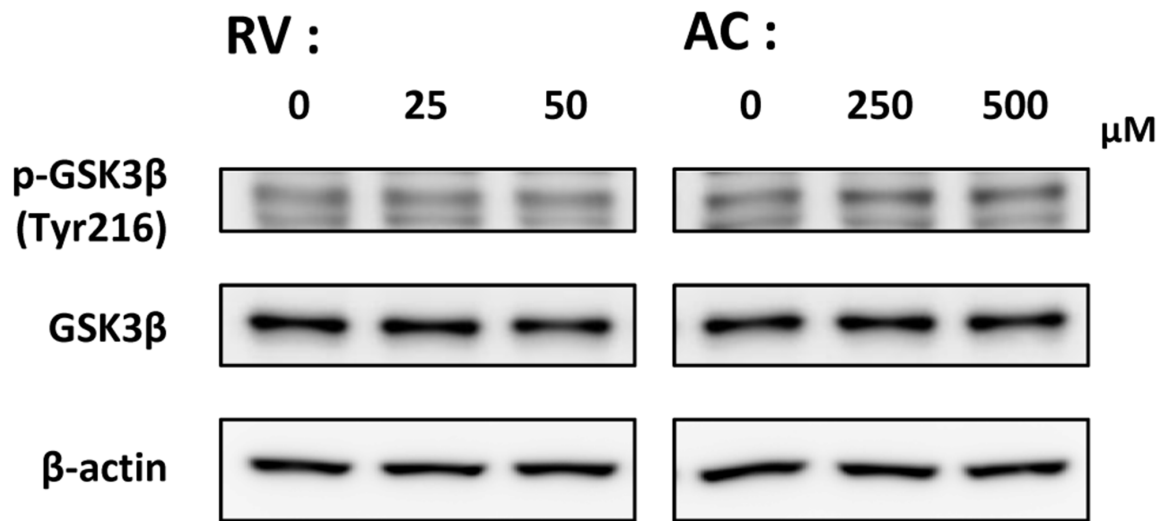


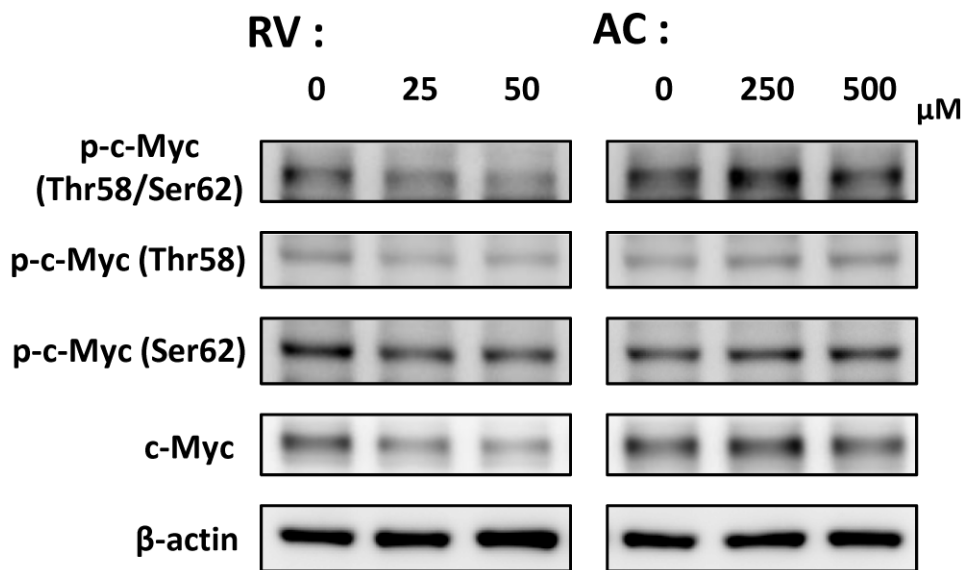
SUPPLEMENTARY FIGURES AND TABLES



Supplementary Figure S1: The level of endogenous adiponectin in hamsters treated with RV and AC. **A.** Serum adiponectin (R&D Systems, Minneapolis, MN) was examined using enzyme-linked immunosorbent assay kits according to the manufacture's instructions. **B.** and **C.** Expression analyses of the genes encoding for adiponectin in the visceral fat tissue (**B**), and adiponectin, adipoR1 and adipoR2 in the pancreatic tissue (**C**) of hamsters were conducted by quantitative RT-PCR. The amount of mRNA was normalized and shown relative to that of cyclophilin mRNA in each sample.



Supplementary Figure S2: Western blot analysis for phosphorylated GSK3β^{Tyr216} in RV- and AC-treated AsPC1 cells. RV and AC did not affect Tyr216-phosphorylated GSK3β.



Supplementary Figure S3: The expression of phosphorylated c-Myc in RV- and AC-treated AsPC1 cells. Western blot analysis using total c-Myc and single and cocktail antibodies for Thr58- and Ser62-phosphorylated c-Myc. The results demonstrated are representative of three independent experiments.

Supplementary Table S1: The blood glucose levels and the serum levels of triglyceride, total cholesterol, LDL cholesterol, HDL cholesterol, free fatty acid and amylase in hamsters

Group	Blood glucose (mg/dl)	Triglyceride (mg/dl)	Total cholesterol (mg/dl)	LDL cholesterol (mg/dl)	HDL cholesterol (mg/dl)	Free fatty acid (mEq/l)	Amylase (U/l)
Control (13)	142.0 ± 52.5	483.8 ± 148.4	300.2 ± 49.8	98.3 ± 39.6	144.8 ± 17.8	3.3 ± 0.6	3718.8 ± 515.0
RV (12)	129.3 ± 25.2	476.8 ± 90.8	277.1 ± 26.6	90.2 ± 17.6	136.7 ± 19.7	3.7 ± 0.4	3838.5 ± 686.3
AC (12)	121.9 ± 35.7	524.4 ± 133.2	274.8 ± 24.6	75.3 ± 11.7	144.0 ± 12.3	3.8 ± 0.6	3480.8 ± 500.4

RV, Resveratrol; AC, Apocynin

Supplementary Table S2: The sub-G1 cell population in AsPC1 cells treated with RV or AC

	RV (μ M)			AC (μ M)		
	0	25	50	0	250	500
Sub-G1 phase (%)	13.3 \pm 1.2	22.5 \pm 3.8 *	21.4 \pm 3.9 *	10.8 \pm 2.8	12.0 \pm 2.3	12.1 \pm 0.5

RV, Resveratrol; AC, Apocynin

Values are means \pm SD from three independent experiments

* $P < 0.05$ as compared to controls.

Supplementary Table S3: Patients' characteristics

	Nuclear p-GSK3 β expression		<i>P</i> value
	Positive (<i>n</i> = 41)	Negative (<i>n</i> = 15)	
Gender			
Male/female	29 / 12	9 / 6	0.567
Age			
Median (range)	67.4 (32–84)	65.9 (48–79)	0.635
Differentiation			
Well	18	8	0.819
moderate	20	6	
Poorly	3	1	
Stage			
IA, IB, IIA, IIB	29	7	0.177
III, IV	12	8	
T			
1, 2	7	2	0.138
3, 4	33	13	
N			
0	20	5	0.527
1	21	10	
M			
0	38	13	0.489
1	3	2	