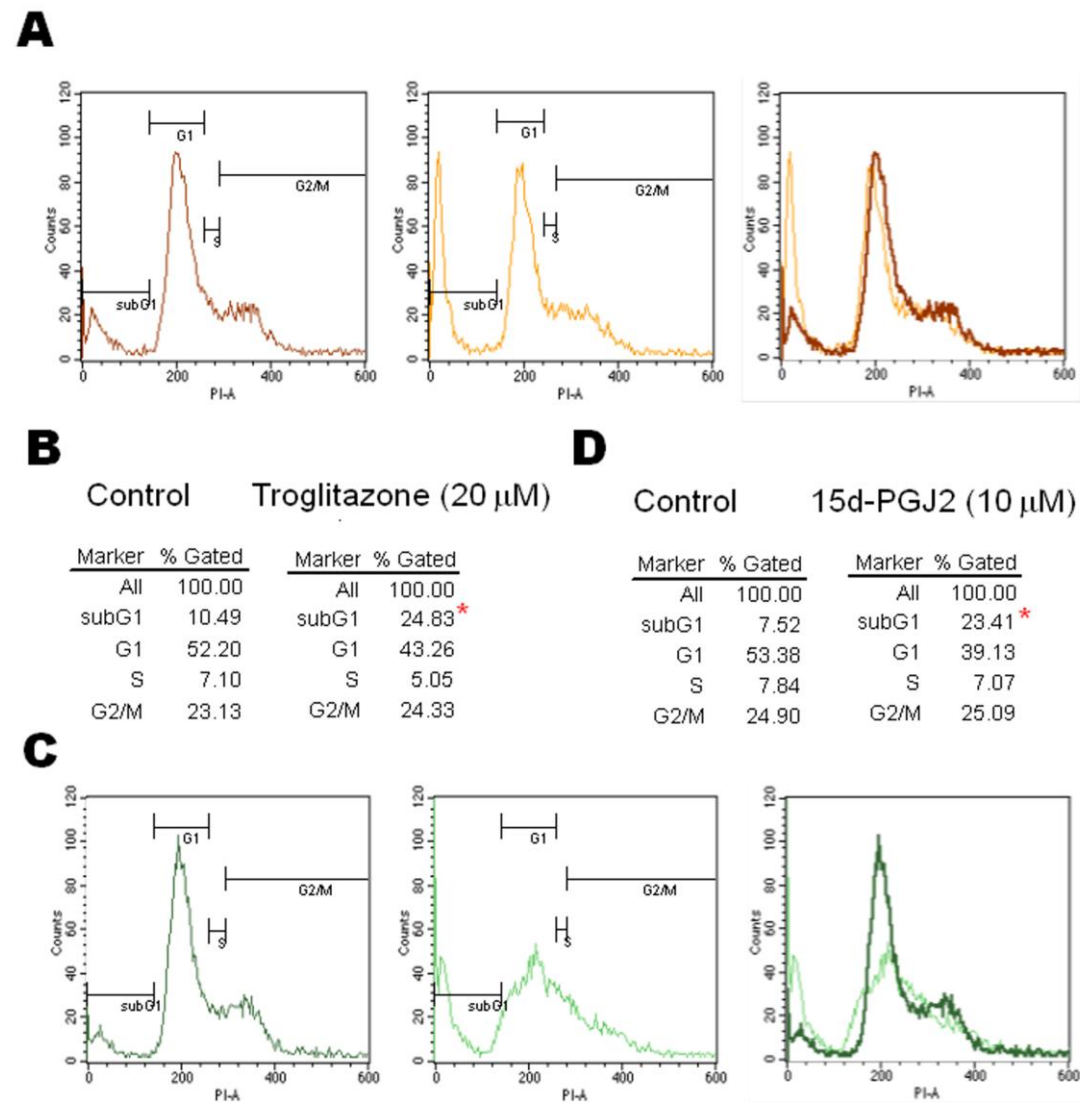


Supplementary Data



Supplementary Figure S1: Detection of U87 cells death treated with thiazolidinedione analogs (Troglitazone and 15d-PGJ2) by Flow Cytometry (A) Cell cycle histogram showing phase distribution (subG0, G1, S and G2/M) of cells at 24 hours post Troglitazone -induction in U87 cells. Quantification for % gated population. (B) Left panel for control, and Right panel for Troglitazone treatment. (C) Cell cycle histogram showing phase distribution (subG0, G1, S and G2/M) of cells at 24 hours post 15d-PGJ2-induction in U87 cells. Quantification for % gated population. (D) Left panel for control, and Right panel for 15d-PGJ2 treatment. Data are expressed as mean \pm SD (n = 4) *p < 0.05 vs. control group cells.

Supplementary Table S1: Primary and secondary antibodies for western blot

Antibody	Catalog No.	Dilution	Brand	Headquarter
α -tublin	sc-8035	1:500	Santa Cruz	Burlington, MA, USA
Calpain I	sc-7531	1:500	Santa Cruz	Burlington, MA, USA
Calpain II	sc-7533	1:1000	Santa Cruz	Burlington, MA, USA
CDK2	sc-163	1:1000	Santa Cruz	Burlington, MA, USA
CDK4	sc-601	1:1000	Santa Cruz	Burlington, MA, USA
Cyclin D1	sc-717	1:500,	Santa Cruz	Burlington, MA, USA
Cyclin E	sc-481	1:1000	Santa Cruz	Burlington, MA, USA
LAMP 1	ab25630	1:500	Abcam	Cambridge, United Kingdom
p-STAT3(Tyr705)	#9131	1:500	Cell Signaling	Danvers, Massachusetts ,USA
SHP-1	sc-7533	1:500	Santa Cruz	Burlington, MA, USA
SHP-2	sc-7533	1:500	Santa Cruz	Burlington, MA, USA
Ubiquitin	sc-7533	1:1000	Santa Cruz	Burlington, MA, USA
LC3B I/II	ab51520	1:1000	Abcam	Cambridge, UK.
Goat anti-mouse HRP	sc-2005	1:200	Santa Cruz	Burlington, MA, USA
Goat anti-rabbit HRP	sc-2004	1:200	Santa Cruz	Burlington, MA, USA
Goat anti-rabbit Rhodamine	03-15-06	1:200	Kirkegaard & Perry Laboratories, Inc	Gaithersburg, Maryland, USA
Goat anti-mouse FITC	172-1806	1:200	Kirkegaard & Perry Laboratories, Inc	Gaithersburg, Maryland, USA
Goat anti-rabbit FITC	02-15-16	1:200	Kirkegaard & Perry Laboratories, Inc	Gaithersburg, Maryland, USA
Donkey anti-goat HRP	sc-2020	1:200	Santa Cruz	Burlington, MA, USA