

Table S1. Primers for Real-time quantitative RT-PCR		
Primer name	Gene	Sequence (5'-3')
Ki-67 F	Ki-67	CCCAGTCATGTTTCGTTCC
Ki-67 R		GCCTTCGGTTCTTCACAA
PCNA F	PCNA	GGAGAACTTGGAAATGGAAATA
PCNA R		TGTAGGAGACAGTGGAGTGGCT
HDAC F	HDAC	GCCAAAGGGGTCAAGGAAG
HDAC R		CTGAAGGGTTGTGGGATAAAGG
HDAC6 F	HDAC6	CCAGCGCATCCACTGTATCA
HDAC6 R		TCATAGTTGGCACCCTCACG
HDAC11 F	HDAC11	GAAAATGGGGCAAAGTG
HDAC11 R		GAAGTTGGGCAGGAAGA
HDAC2 F	HDAC2	CTTTCAACTGGTGGCTCA
HDAC2 R		CTTTAGTAACTCAAGGATGGC
SIRT1 F	SIRT1	ATCCTCTAGTTCTTGCGGCAGT
SIRT1 R		TTCGTCATTCTCACTTTCATCCTC
GAPDH F	GAPDH	CCTGGAAGTCTAAAGTATCACC
GAPDH R		ACTCGTCGTCAATCCCATCTCG

Table S2. List of Antibodies Used for Western Blotting			
Antibodies	Source	Identifier	Dilution Ratio
Anti-Acetyl-Histone H3(Lys9) Rabbit mAb	PTMPIO	PTM-686-8	1:1000
Anti-Acetyl-Histone H3(Lys27) Rabbit mAb	PTMPIO	PTM-122RW	1:1000
Anti -Histone H3 Rabbit mAb	PTMPIO	PTM-166RW	1:500
ERK 1/2 (phospho Tyr202/204) Polyclonal Antibody	Immunoway	YP1197	1:1000
ERK 1/2 Polyclonal Antibody	Immunoway	YT1625	1:1000
c-Fms Polyclonal Antibody	Immunoway	YT0881	1:1000
c-Fms (phospho Tyr699) Polyclonal Antibody	Immunoway	YP0504	1:1000
c-Fms (phospho Tyr561) Polyclonal Antibody	Immunoway	YP0734	1:1000
PCNA Rabbit PolyAb	Proteintech	10205-2-AP	1:1000
RSK2 Polyclonal Antibody	Proteintech	23762-1-AP	1:2000
RPS6KA1(Thy359/363) Polyclonal Antibody	Proteintech	29225-1-AP	1:1000
ATF2 Polyclonal Antibody	Proteintech	11908-1-AP	1:1000
Phospho-ATF2(Thr71)/ATF7(Thr53) Polyclonal antibody	Proteintech	28790-1-AP	1:1000

Table S3.Detailed Analysis of Binding Interactions Between Sodium Butyrate and CSF1R	
Term	Value
Binding free energy	-3.88
Dissociation constant	10.84
Non-bonded interaction energies	-6.84
<i>van der Waals + Hydrogen bonds + Desolvation energy</i>	-6.64
Electrostatic potential energy	-0.52
Intramolecular energy	-6.33
Torsional free energy	2.96
Unbonded system energy	-6.33