Ginsenoside Rh2 epigenetically regulates cell-mediated immune pathway to inhibit proliferation of MCF-7 breast cancer cells

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Supplementary Information

Table S1. Sequences of primers employed for real time polymerase chain reaction

Gene Symbol	Primer sequence (5'→3')	
SAMM50	F :	TCAAGGTGATGACGCACTTC
	R :	AAGCTTGAGGCCAAGTACCA
CASP1	F :	AAATTTTCCGCAAGGTTCG
	R :	ACTTCCTGCCCACAGACATT
INSL5	F :	ATCTCAGAAGTGCGGAGCAA
	R :	CAGCTTGCTGAGCTTGAGG
TCF4	F :	AAAAGGGACAGCGAGTTTGA
	R :	GATGGAGCATAGACCGCTTT
OR52A1	F :	AAT CTG AGC GCA GTC TCC AT
	R :	CAC ATT TGA AGC AAG CAG GA
CLINT1	F :	CAGCCAGTCAACAGGAGGAT
	R :	TGTTGCTGTTACTTGGGAAGG
ST3GAL4	F :	ATCTCCCGGGAAGACAGTTT
	R :	CGGGAGTAGTTGCCAAAGAG
C1orf198	F :	TCCTGGGAAACAAAGAGTCAG
	R :	GGAAGCTTTGGACAGTGGTC
RNLS	F :	AGGACTCAGGGGGAAGAATG
	R :	TGGCATAATGAGGAGTGCAG
GAPDH	F :	ACATCGCTCAGACACCATG
	R :	TGTAGTTGAGGTCAATGAAGGG

Fig. S1. Effect of ginsenoside Rh2 on the *Alu* methylation level in MCF-7 cells. The methylation levels of the three CpGs on the *Alu* from the MCF-7 cells were determined by pyrosequencing after treatment with Rh2. (A) The *Alu* sequence adopted in this study. The analyzed three CpGs are indicated in red and numbered. (B) Bar graphs representing the methylation levels of CpGs of *Alu* in the MCF-7. Five independent experiments were carried out for individual CpG and average levels are given with the standard errors.

A

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  1 ggcgggcgga ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt gggaggaaga
 61 tcacctgagg tcaggagttc gagaccagcc tggccaacat ggtgaaaccc cgtctctact
121 aaaaatacaa aaattagccg ggcgtggtgg cgcgcgcctg taatcccagc tactcgggag
                                    1 2 3
181 gctgaggcag gagaatcgct tgaacccggg aggcggaggt tgcagtgagc cgagatcgcg
231 ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa
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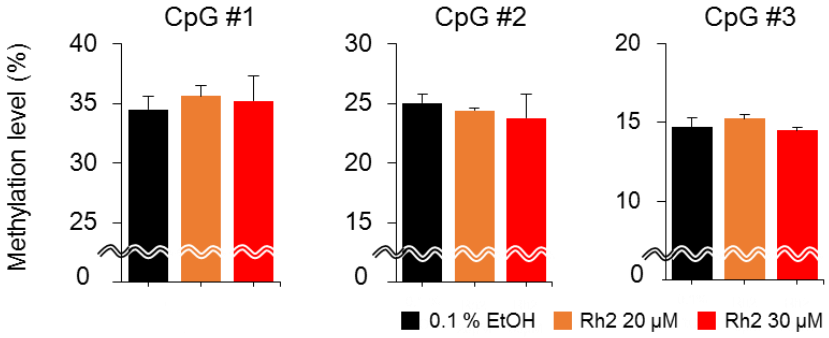
B



EtOH, ethanol.