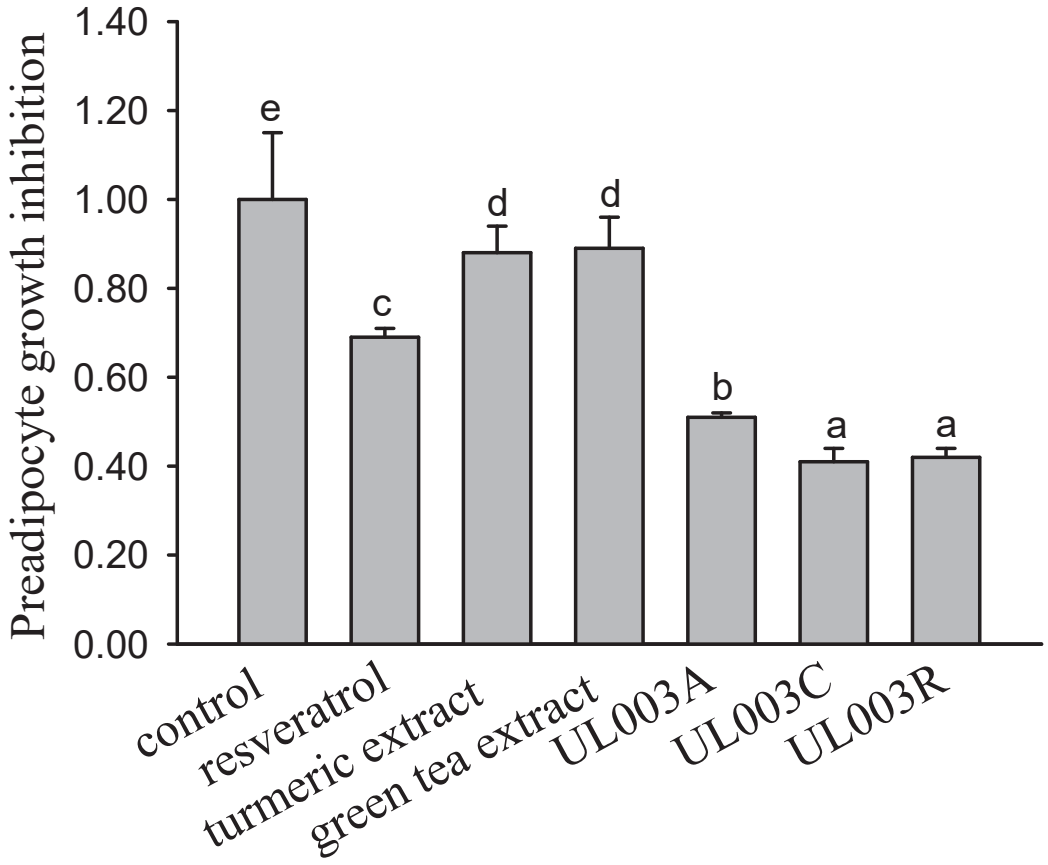

Preadipocyte growth inhibition
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
e
c
d
d
b
a
a
control
resveratrol
turmeric extract
green tea extract
UL003A
UL003C
UL003R

FIG. 1

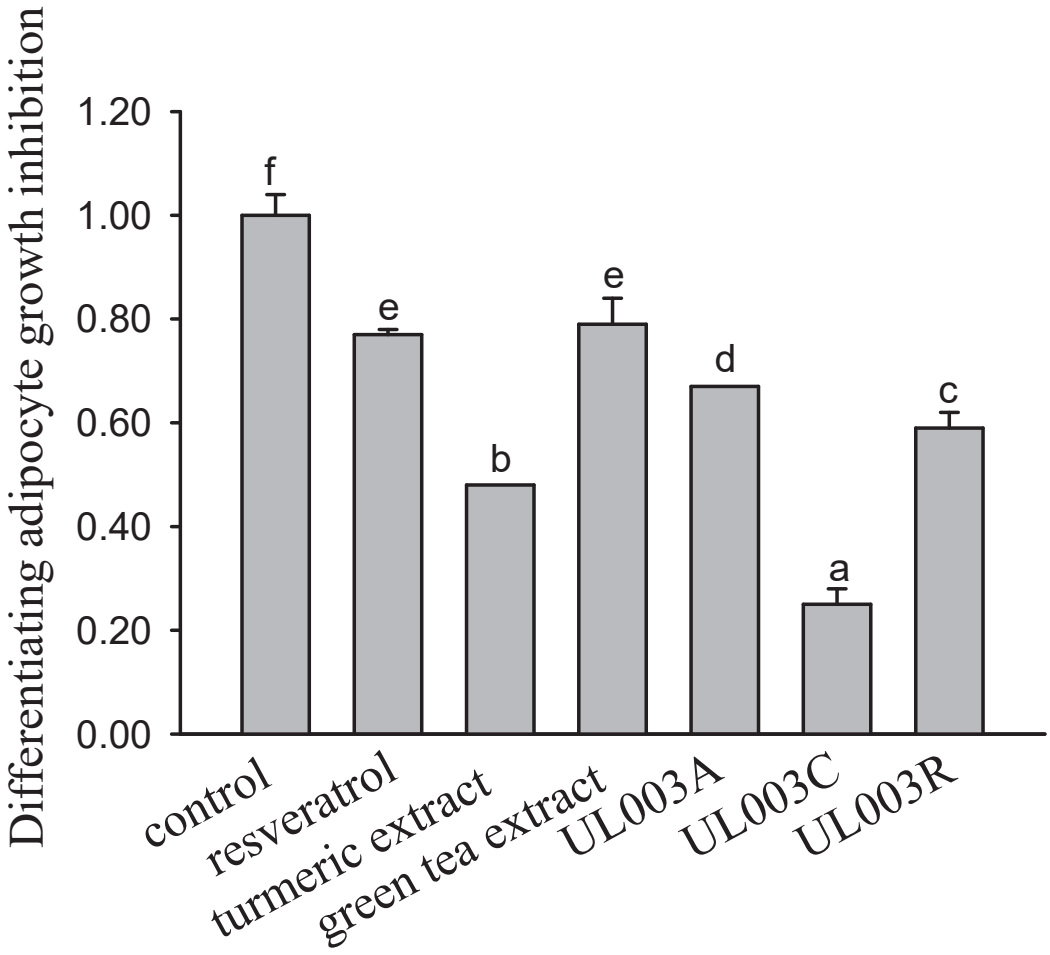

Differentiating adipocyte growth inhibition
1.20
1.00
0.80
0.60
0.40
0.20
0.00
f
e
b
e
d
a
c
control
resveratrol
turmeric extract
green tea extract
UL003A
UL003C
UL003R

FIG. 2

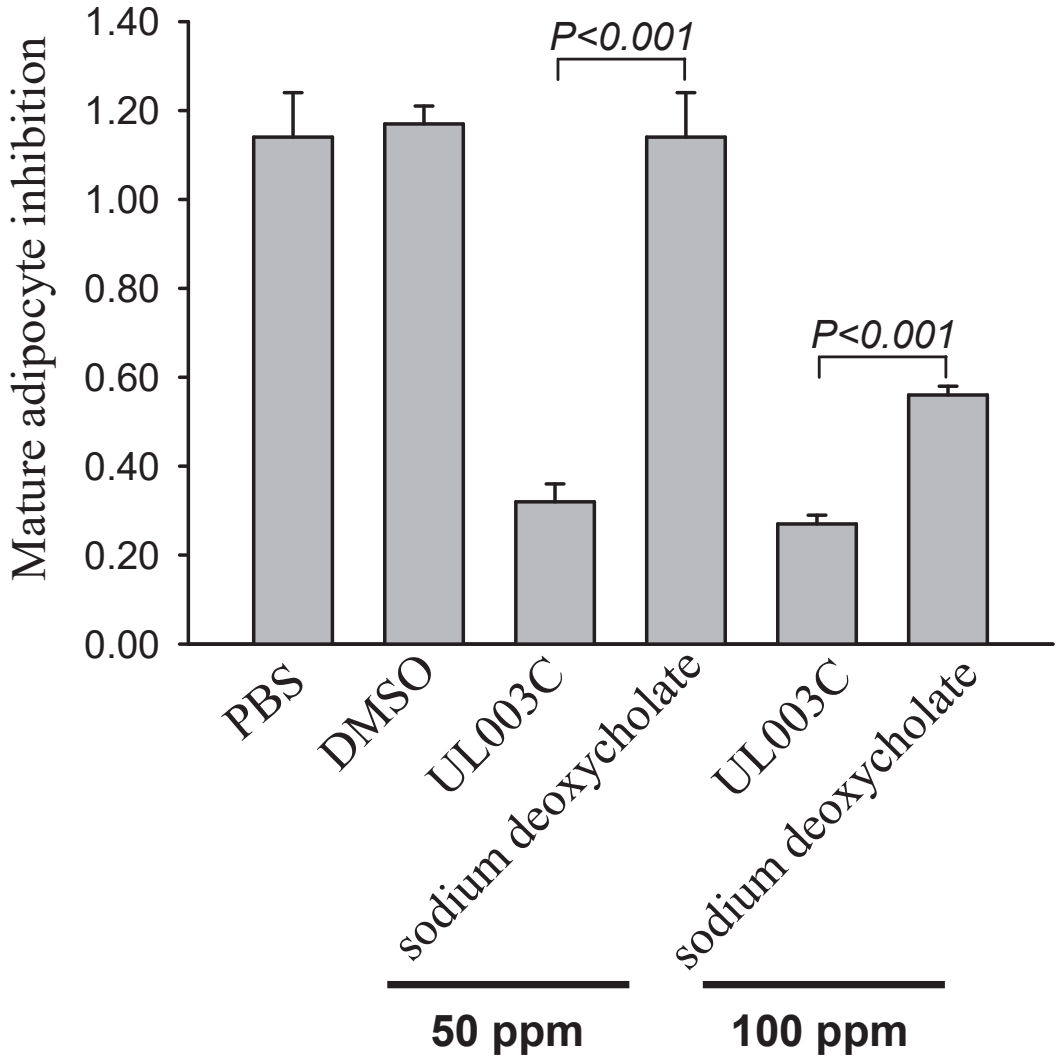

Mature adipocyte inhibition
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
P<0.001
P<0.001
PBS
DMSO
UL003C
sodium deoxycholate
UL003C
sodium deoxycholate
50 ppm
100 ppm

FIG. 3

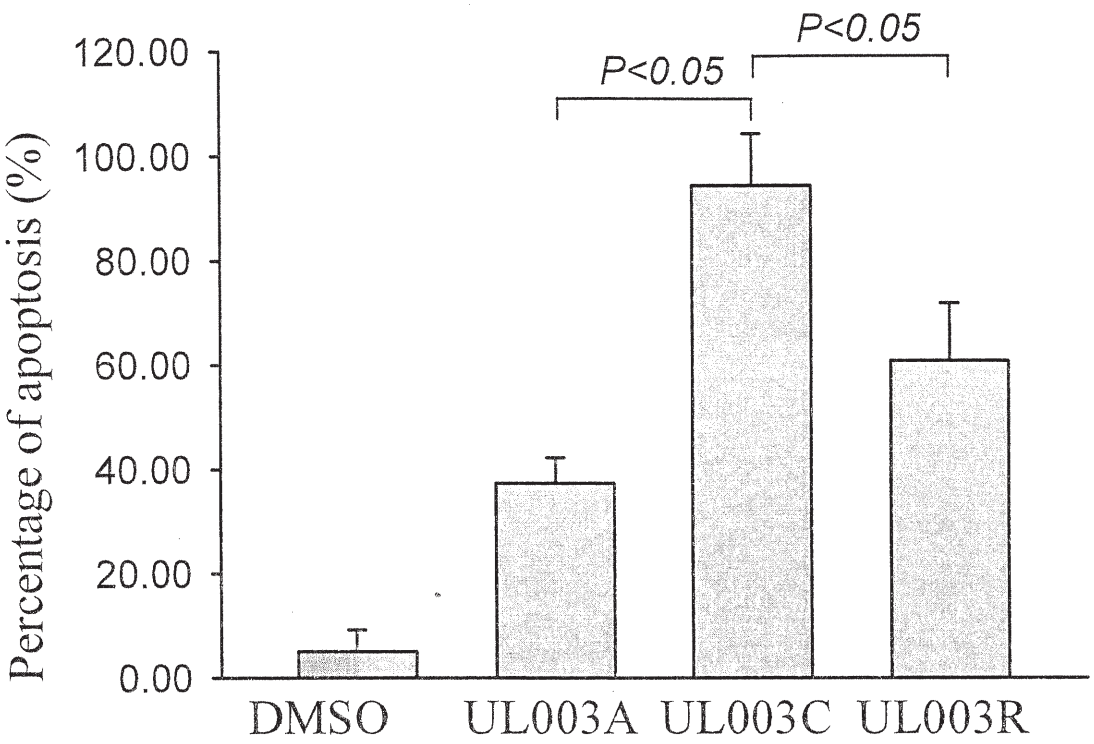

P<0.05
P<0.05
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Percentage of apoptosis (%)
DMSO
UL003A
UL003C
UL003R

FIG. 4

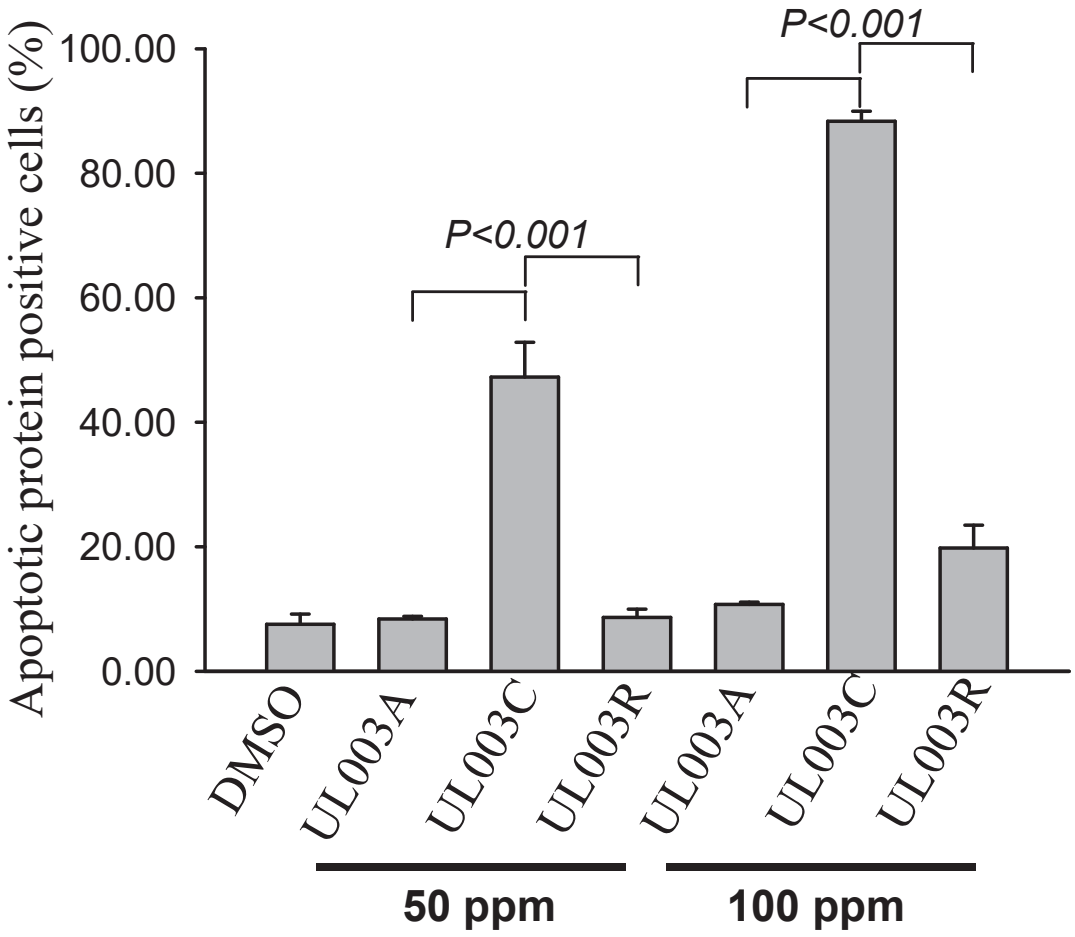

Apoptotic protein positive cells (%)
100.00
80.00
60.00
40.00
20.00
0.00
P<0.001
P<0.001
DMSO
UL003A
UL003C
UL003R
UL003A
UL003C
UL003R
50 ppm
100 ppm

FIG. 5

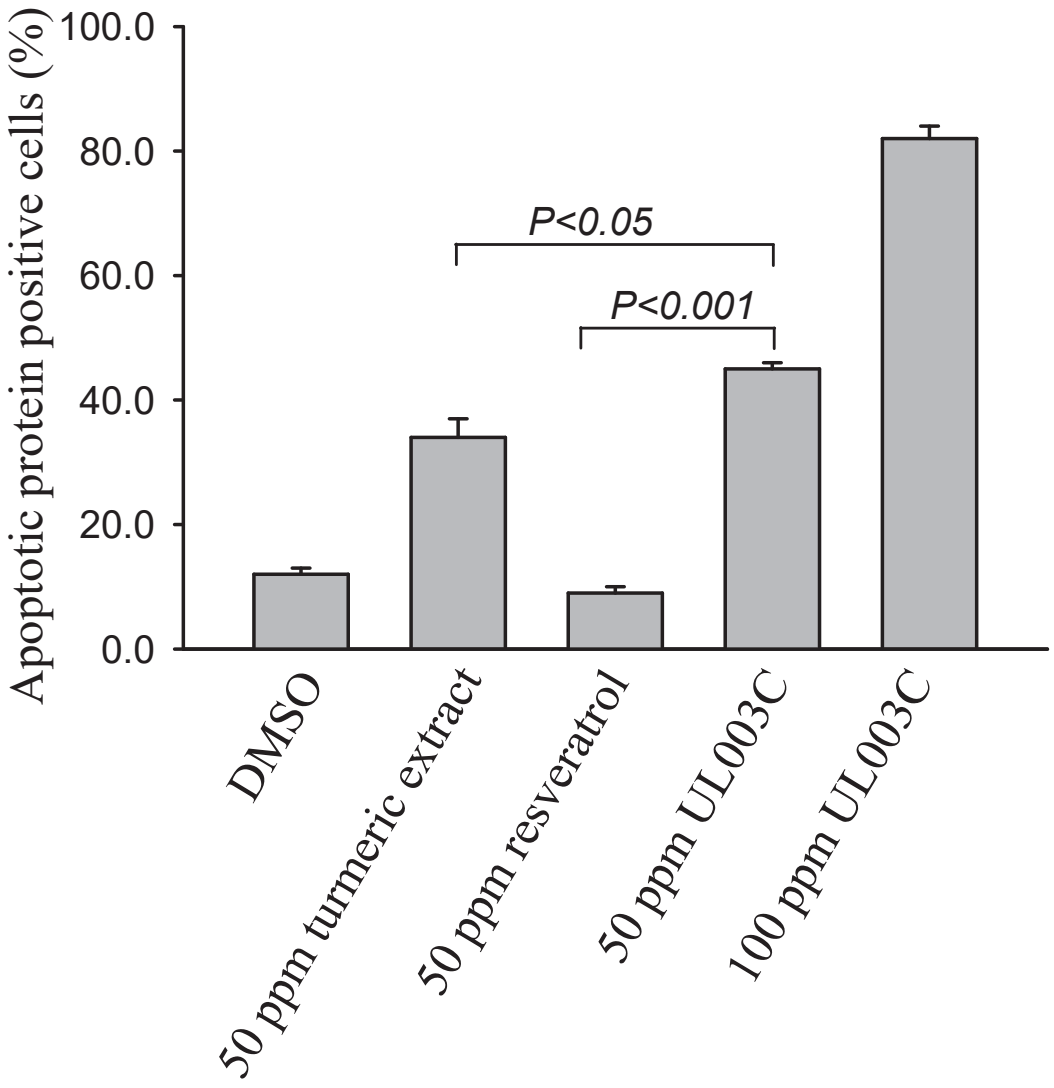

Apoptotic protein positive cells (%)
100.0
80.0
60.0
40.0
20.0
0.0
P<0.05
P<0.001
DMSO
50 ppm turmeric extract
50 ppm resveratrol
50 ppm UL003C
100 ppm UL003C

FIG. 6

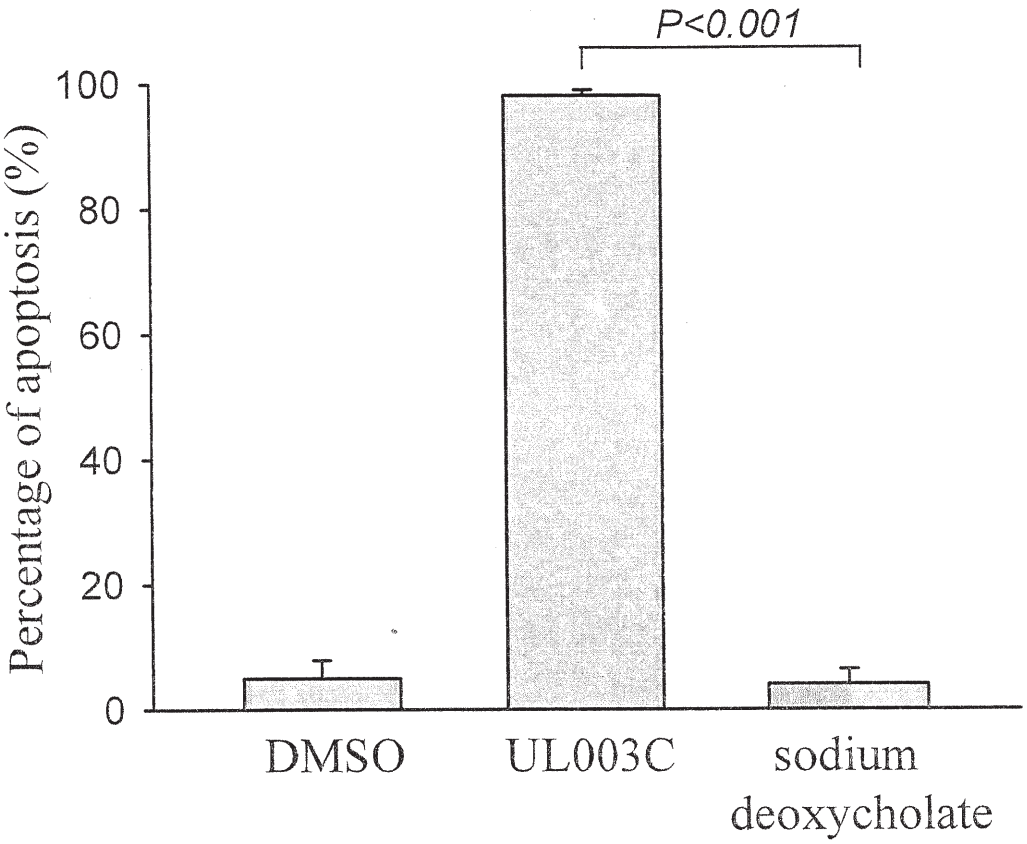

P<0.001
Percentage of apoptosis (%)
100
80
60
40
20
0
DMSO
UL003C
sodium deoxycholate

FIG. 7

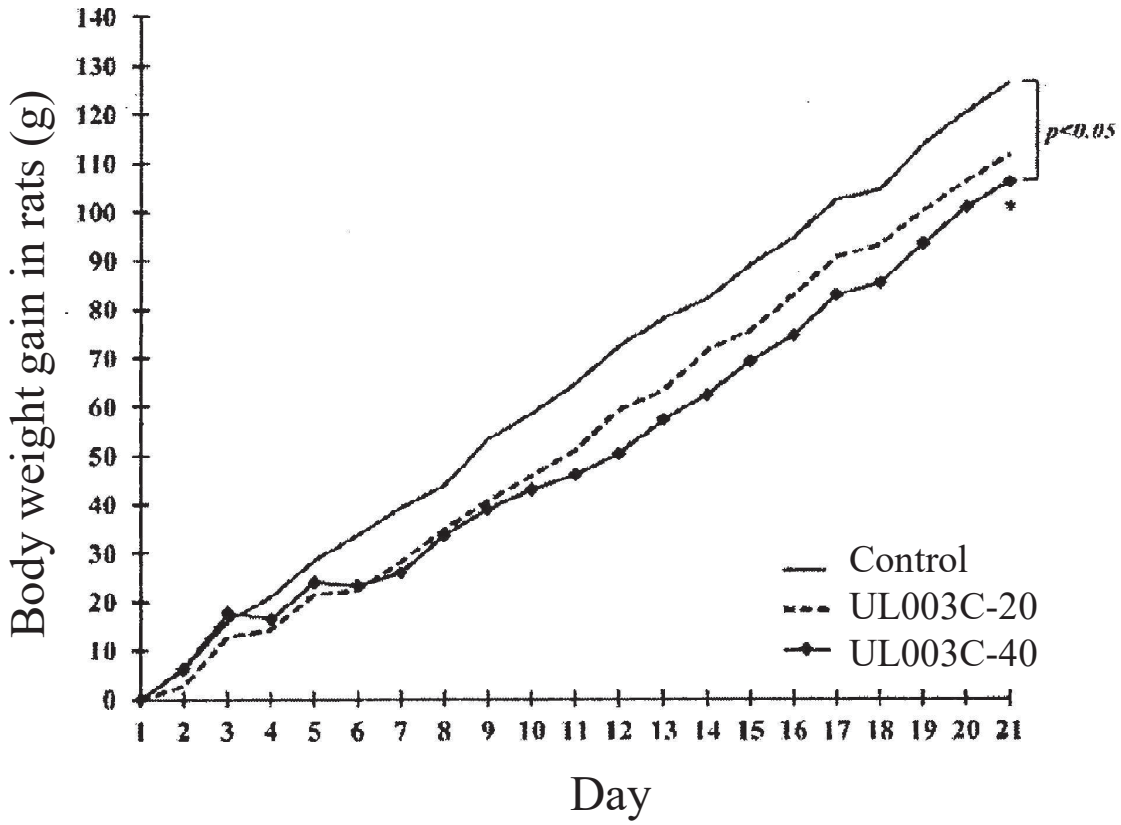

Body weight gain in rats (g)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
Day
p<0.05
*
Control
UL003C-20
UL003C-40

Fig. 8

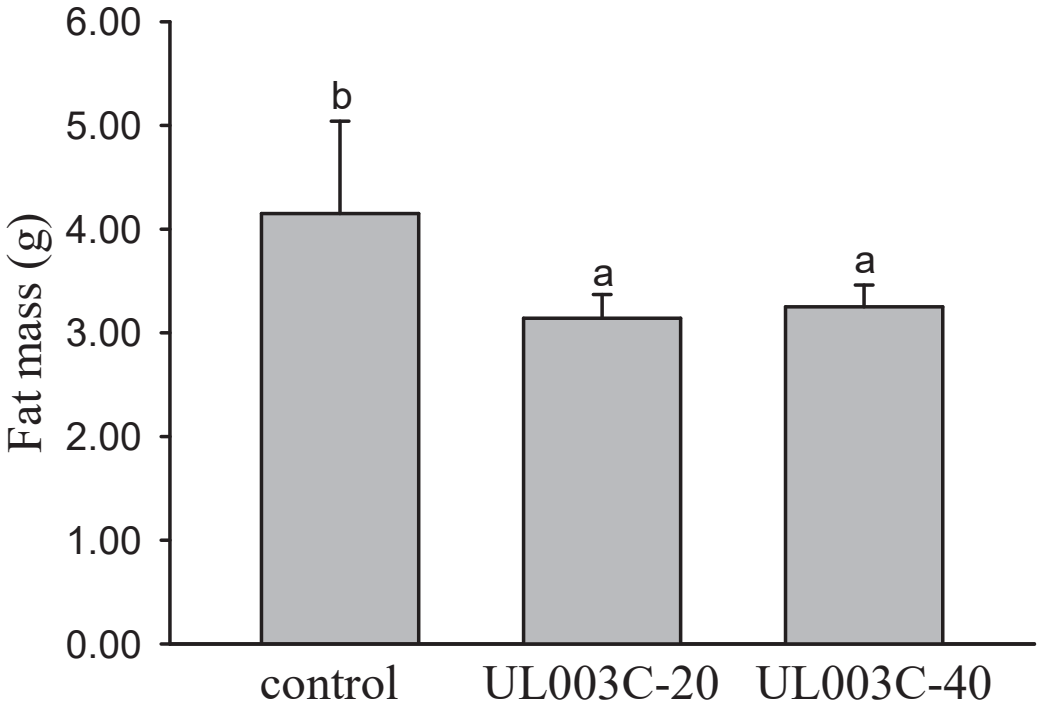
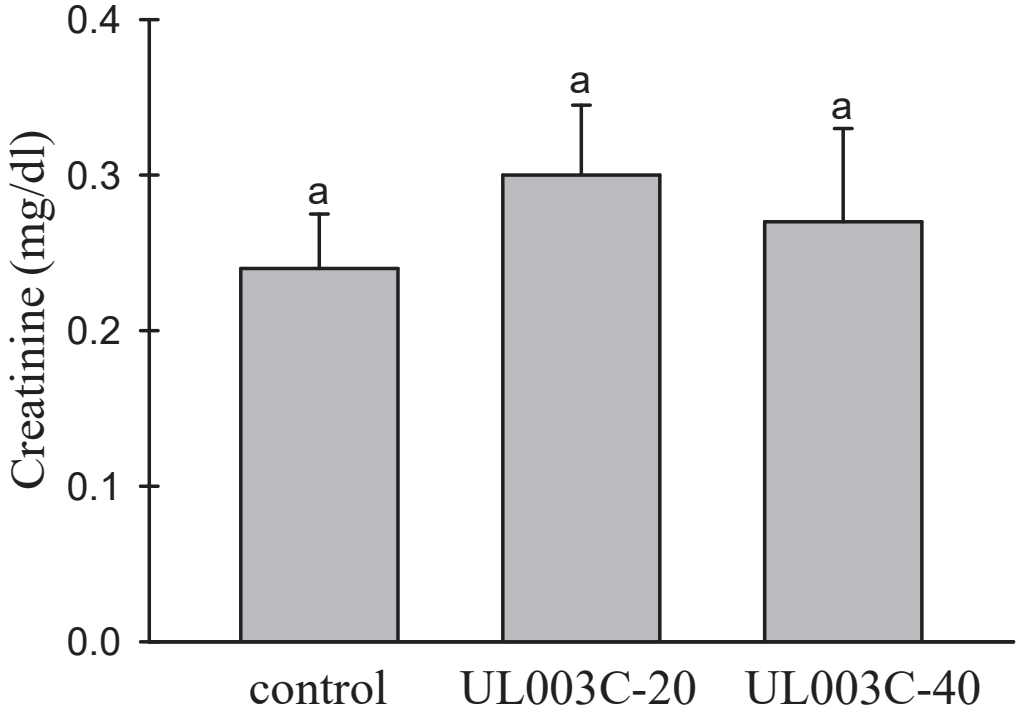

6.00
5.00
4.00
3.00
2.00
1.00
0.00
Fat mass (g)
b
a
a
control
UL003C-20
UL003C-40

Fig. 9


Creatinine (mg/dl)
0.4
0.3
0.2
0.1
0.0
a
a
a
control
UL003C-20
UL003C-40

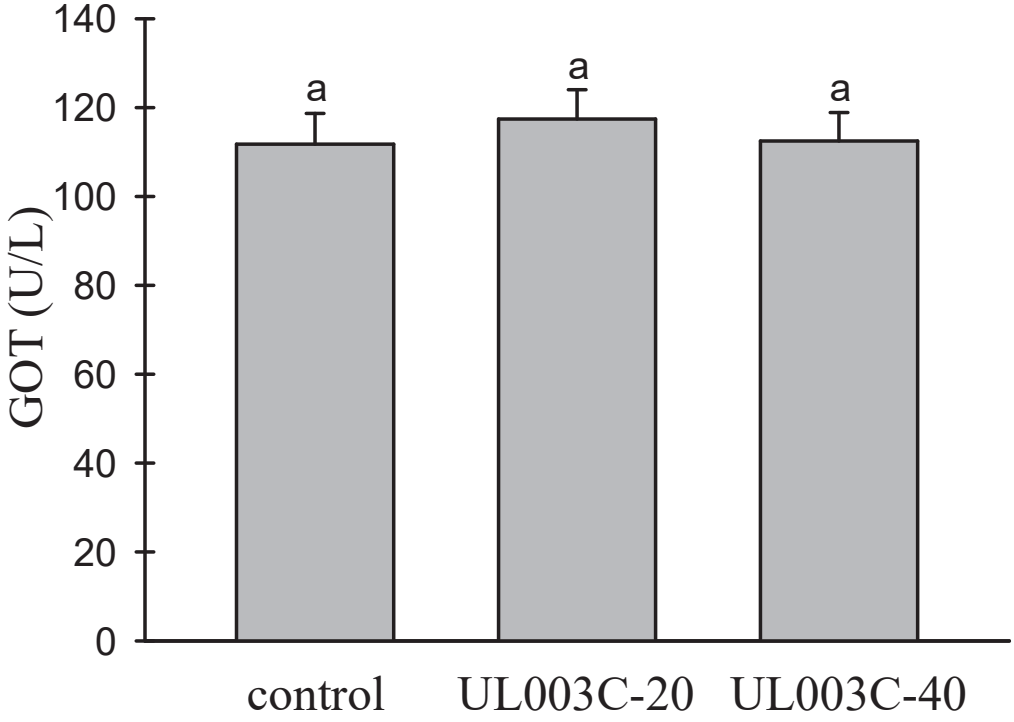

GOT (U/L)
140
120
100
80
60
40
20
0
a
a
a
control
UL003C-20
UL003C-40

Fig. 10A

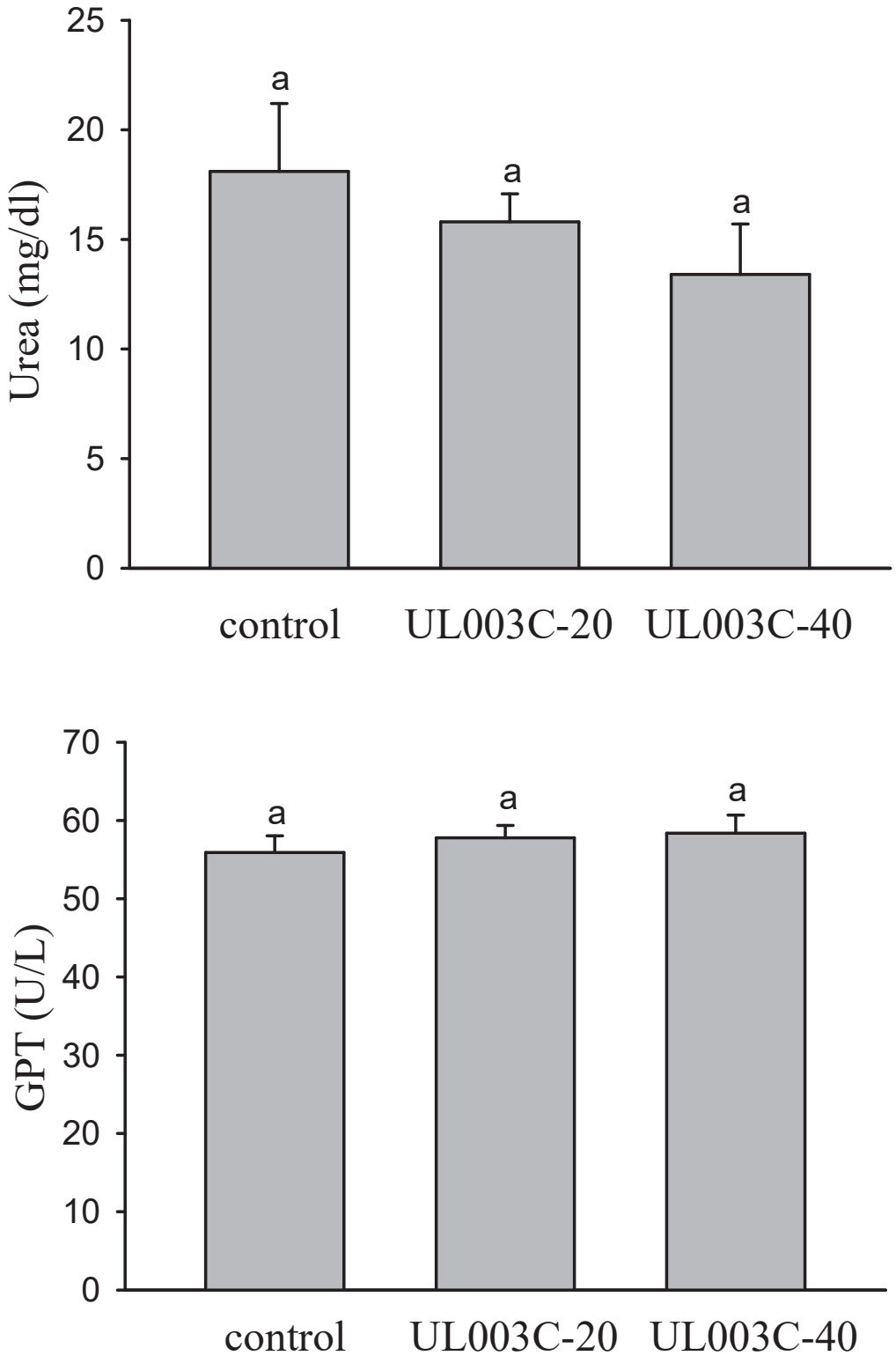

25
20
15
10
5
0
Urea (mg/dl)
a
a
a
control
UL003C-20
UL003C-40
70
60
50
40
30
20
10
0
GPT (U/L)
a
a
a
control
UL003C-20
UL003C-40

Fig. 10B

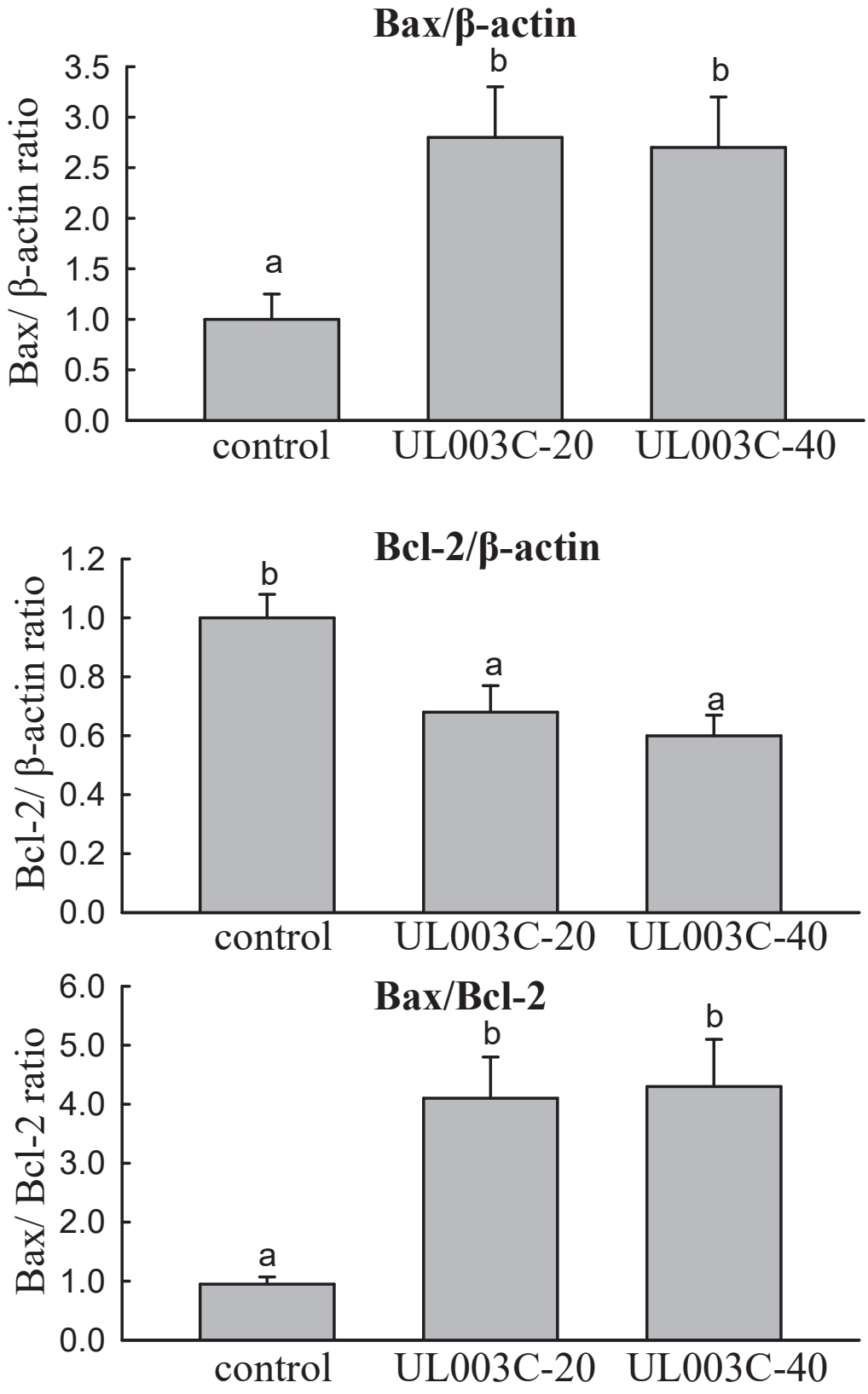

Bax/β-actin
Bax/ β-actin ratio
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
a
b
b
control
UL003C-20
UL003C-40
Bcl-2/β-actin
Bcl-2/ β-actin ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
b
a
a
control
UL003C-20
UL003C-40
Bax/Bcl-2
Bax/ Bcl-2 ratio
6.0
5.0
4.0
3.0
2.0
1.0
0.0
a
b
b
control
UL003C-20
UL003C-40

Fig. 11