**Potential intracellular events in skeletal muscle involved in PIF induced proteasome activation**

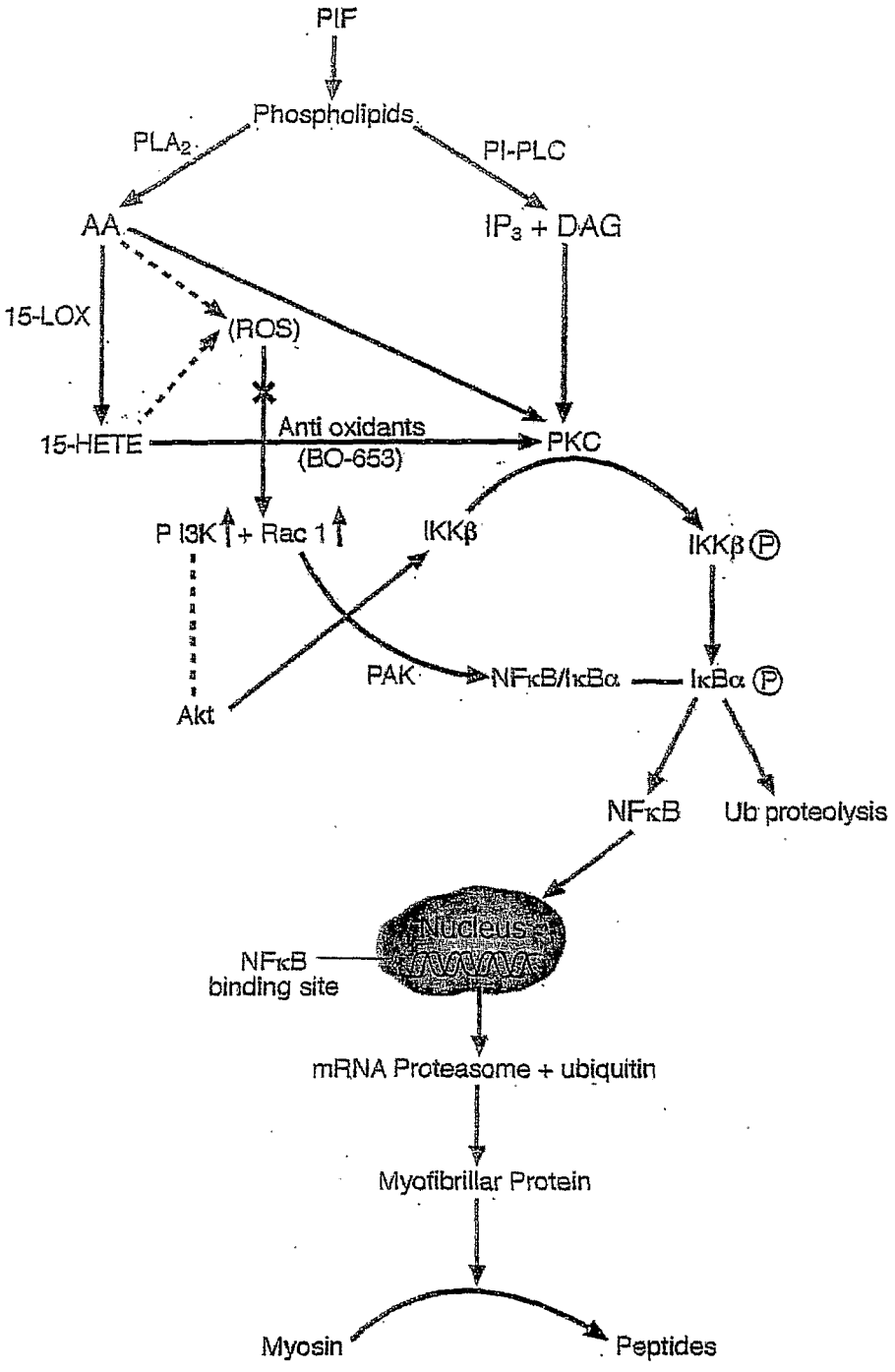
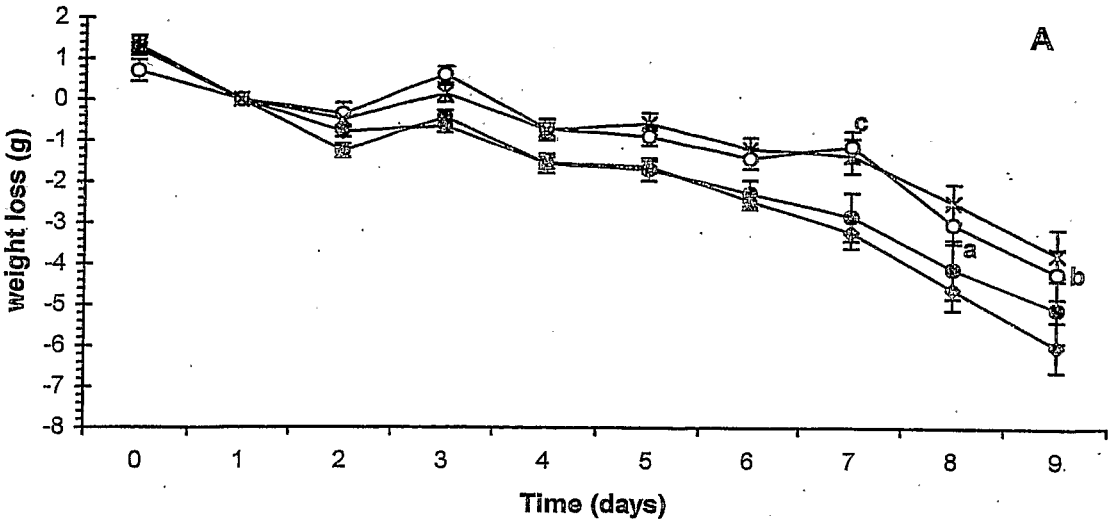



**Figure 1**


A
weight loss (g)
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
0
1
2
3
4
5
6
7
8
9
Time (days)
a
b
c

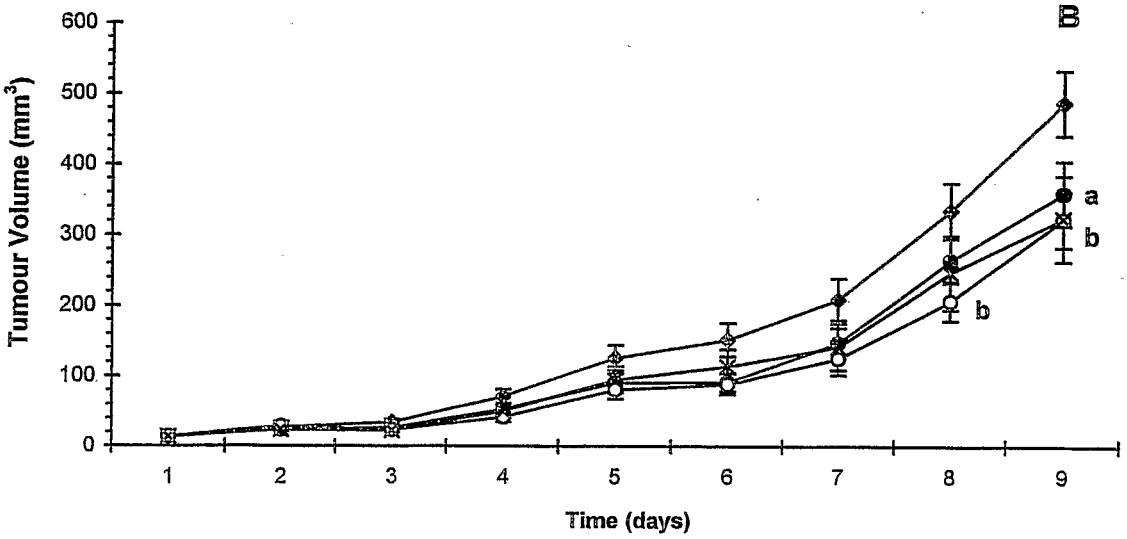

B
Tumour Volume (mm3)
600
500
400
300
200
100
0
1
2
3
4
5
6
7
8
9
Time (days)
a
b
b

**Figure 2**

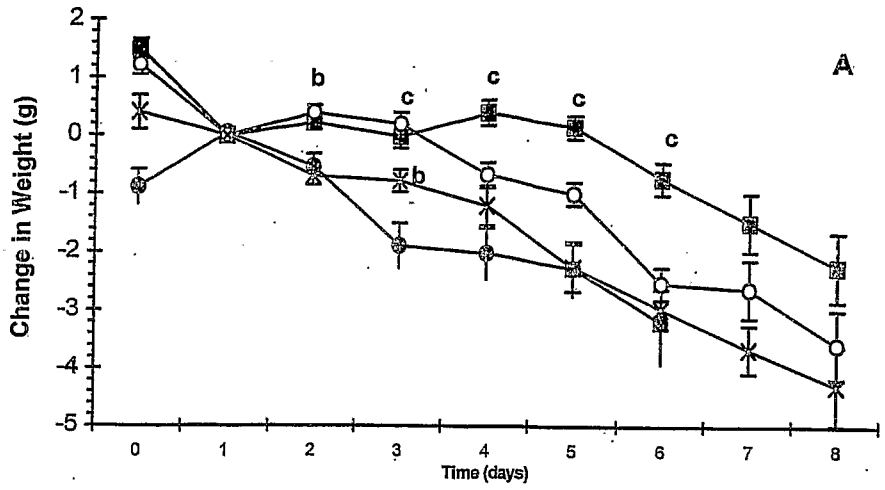



Figure 3

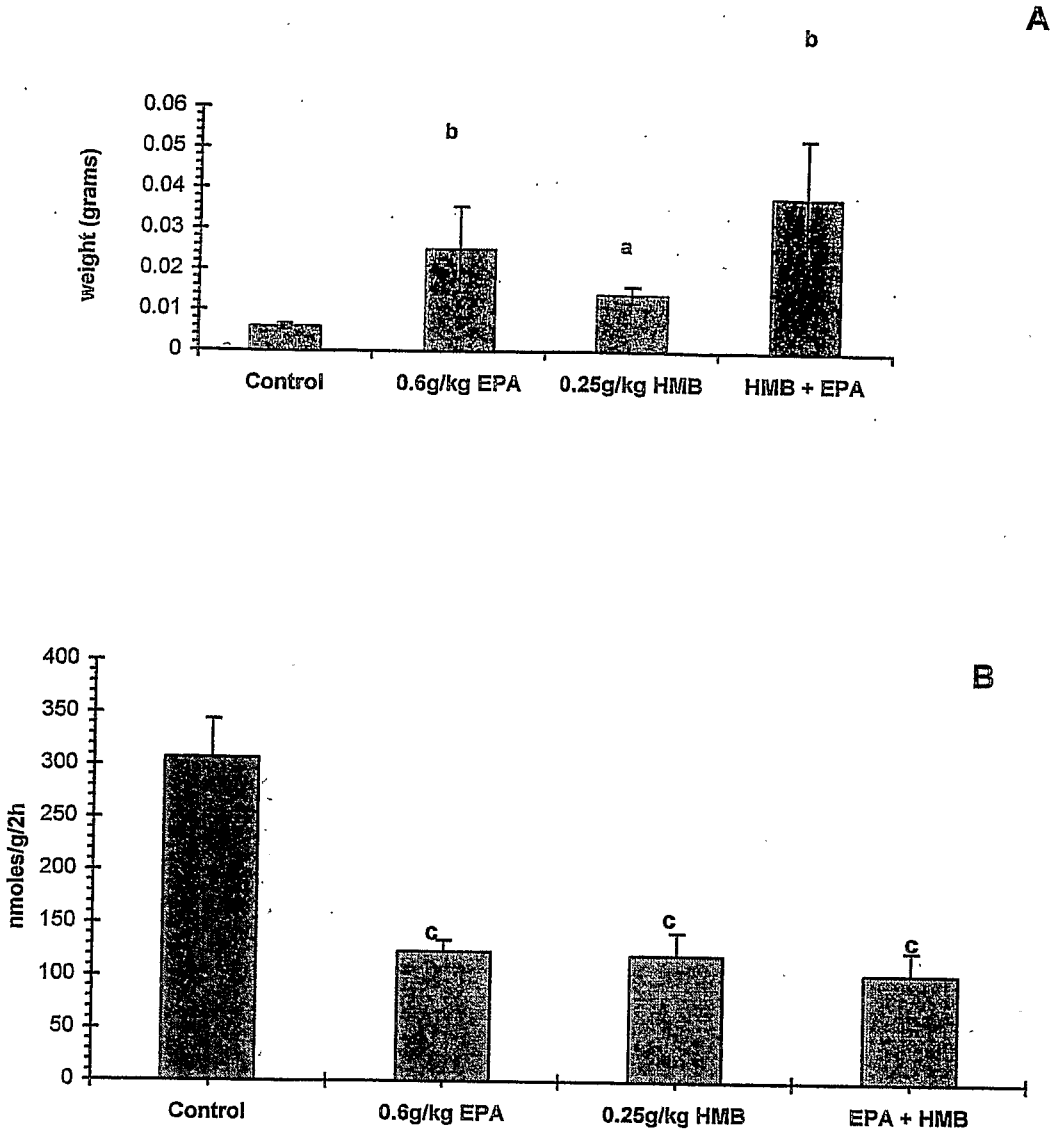

A
b
b
a
weight (grams)
0.06
0.05
0.04
0.03
0.02
0.01
0
Control
0.6g/kg EPA
0.25g/kg HMB
HMB + EPA
B
nmoles/g/2h
400
350
300
250
200
150
100
50
0
c
c
c
Control
0.6g/kg EPA
0.25g/kg HMB
EPA + HMB

Figure 4

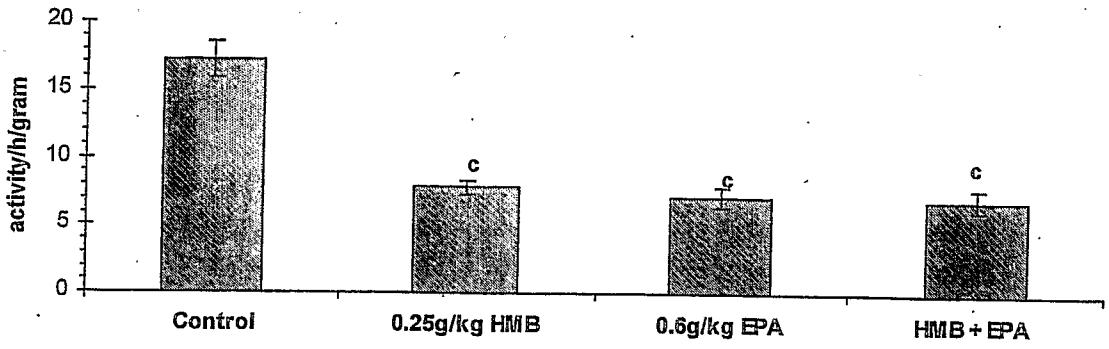

activity/h/gram
20
15
10
5
0
c
c
c
Control
0.25g/kg HMB
0.6g/kg EPA
HMB + EPA

Figure 5

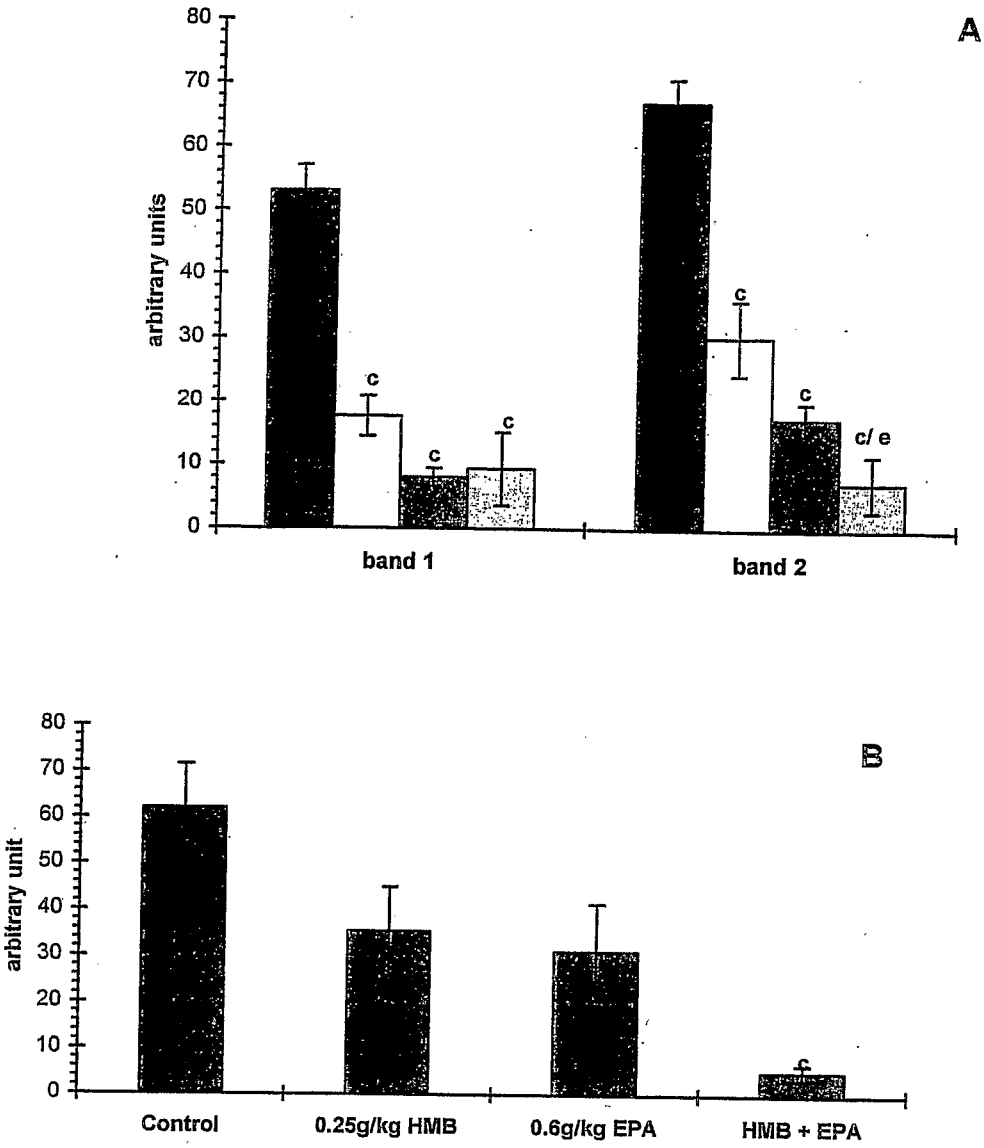

A
arbitrary units
80
70
60
50
40
30
20
10
0
c
c
c
c
c/ e
band 1
band 2
B
arbitrary unit
80
70
60
50
40
30
20
10
0
c
Control
0.25g/kg HMB
0.6g/kg EPA
HMB + EPA

Figure 6

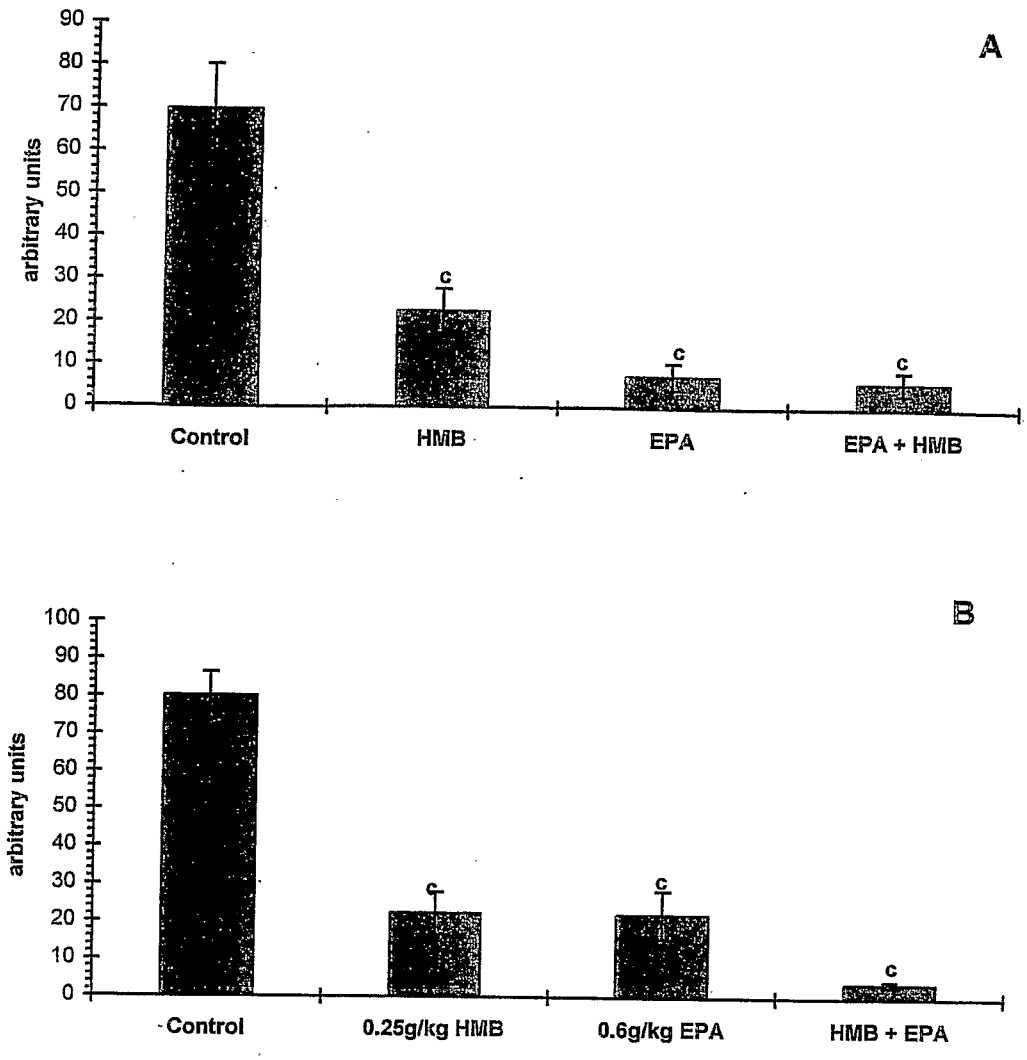

A
arbitrary units
90
80
70
60
50
40
30
20
10
0
c
c
c
Control
HMB
EPA
EPA + HMB
B
arbitrary units
100
90
80
70
60
50
40
30
20
10
0
c
c
c
Control
0.25g/kg HMB
0.6g/kg EPA
HMB + EPA

Figure 7

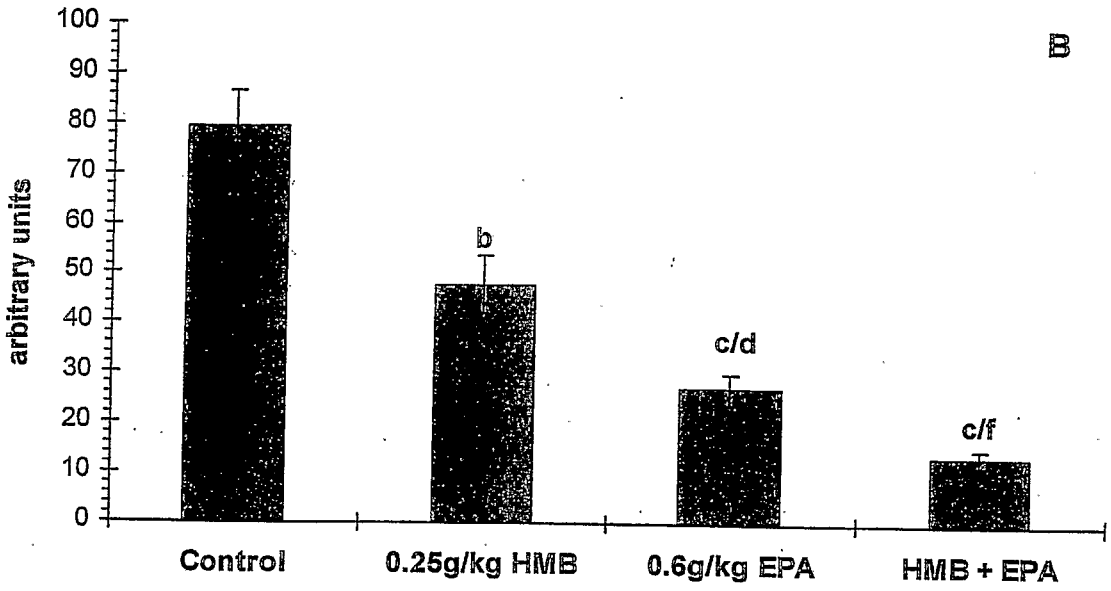

B
arbitrary units
100
90
80
70
60
50
40
30
20
10
0
b
c/d
c/f
Control
0.25g/kg HMB
0.6g/kg EPA
HMB + EPA

Figure 8

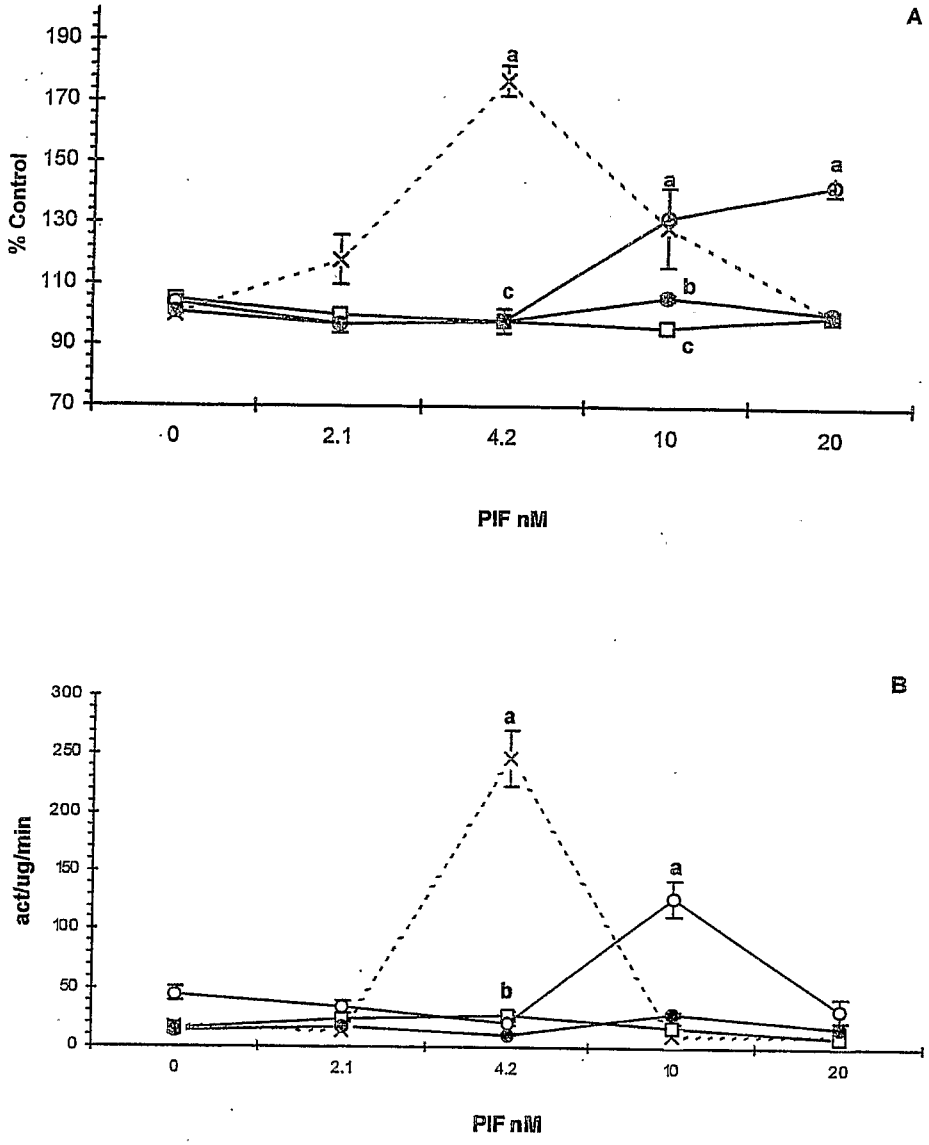

A
% Control
190
170
150
130
110
90
70
a
a
a
b
c
c
0
2.1
4.2
10
20
PIF nM
B
act/ug/min
300
250
200
150
100
50
0
a
a
b
0
2.1
4.2
10
20
PIF nM

Figure 9.

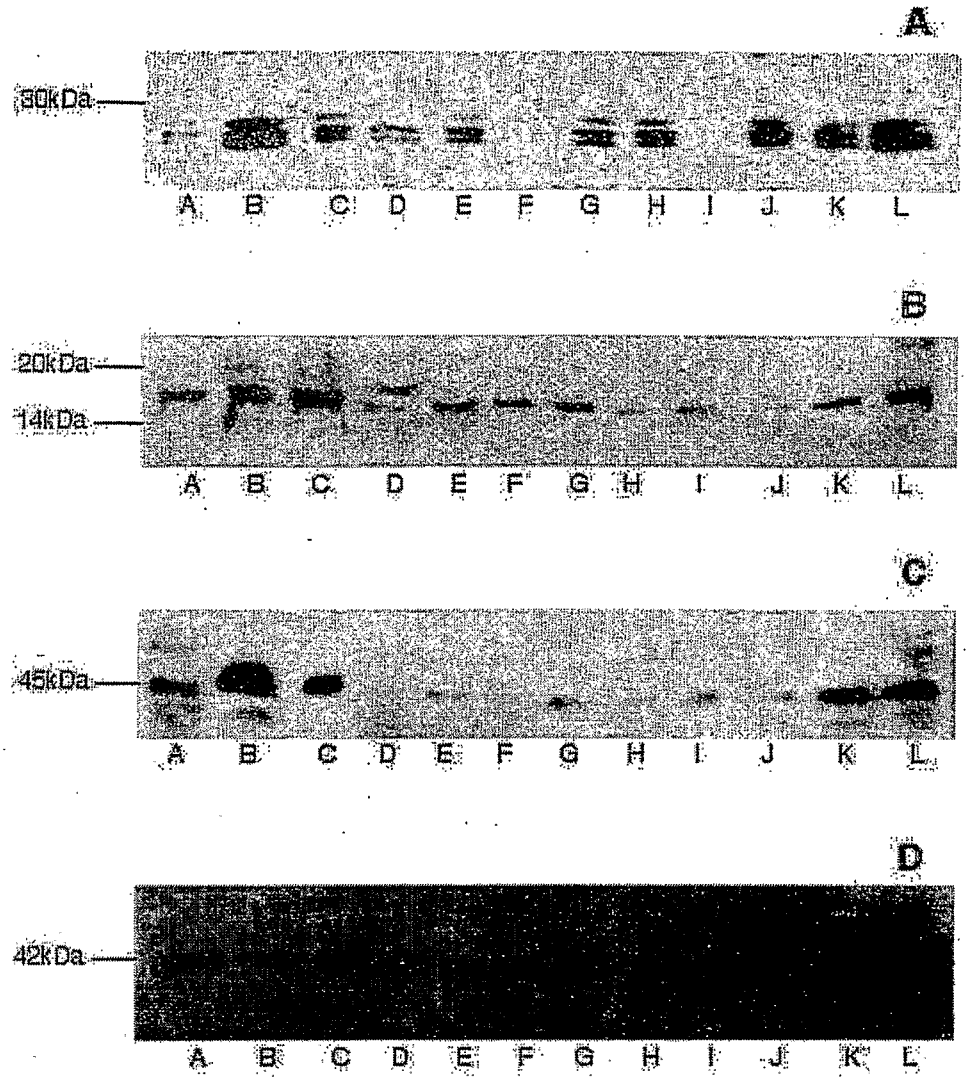

A
80kDa
A B C D E F G H I J K L
B
20kDa
14kDa
A B C D E F G H I J K L
C
45kDa
A B C D E F G H I J K L
D
42kDa
A B C D E F G H I J K L

Figure 10

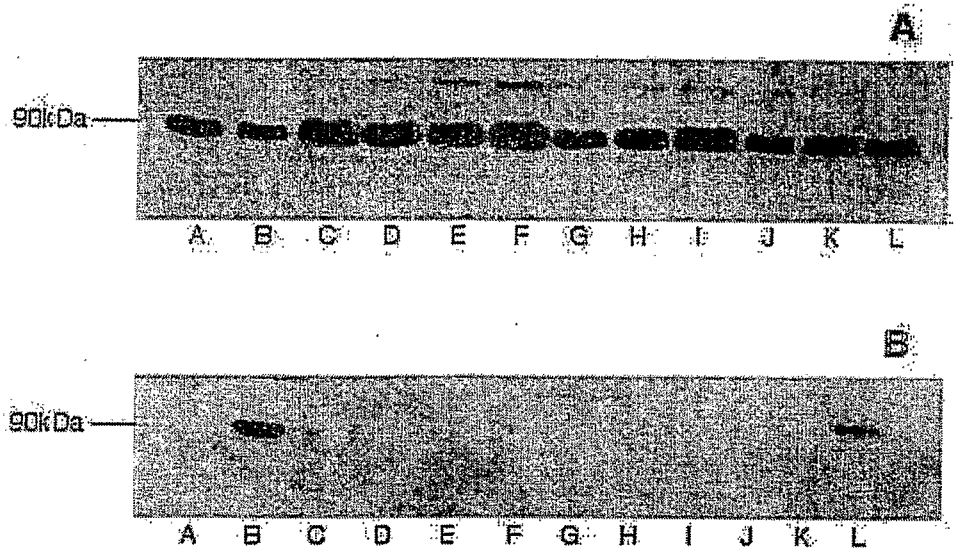



Figure 11

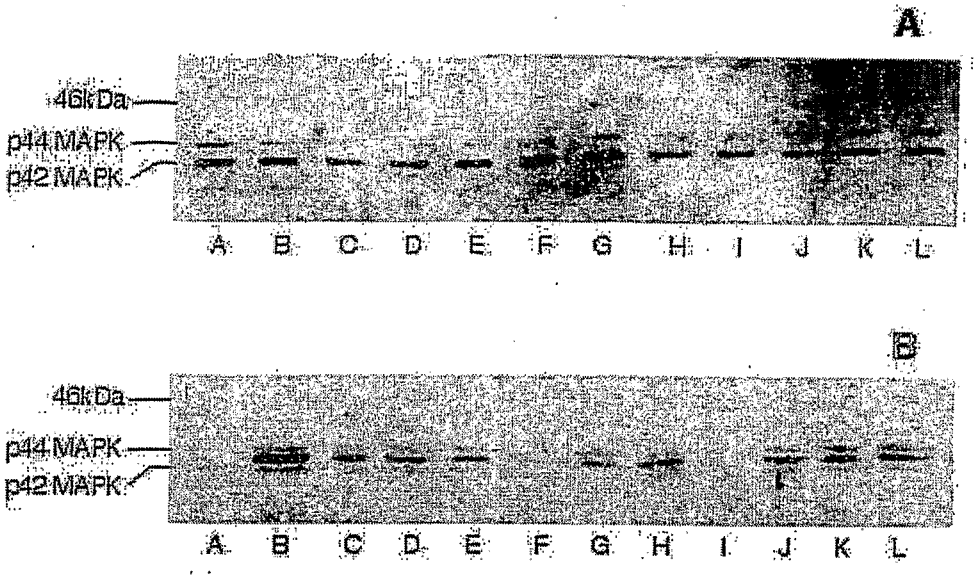
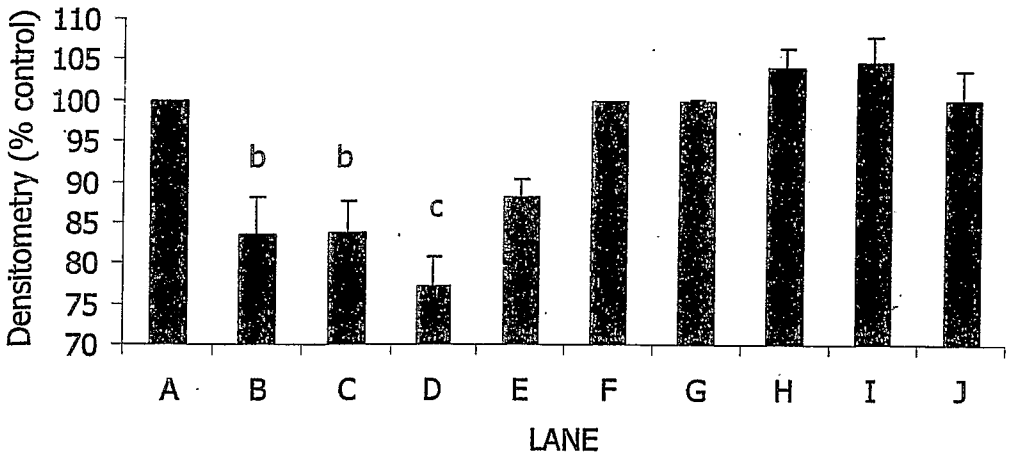

A
46kDa
p44 MAPK
p42 MAPK
A B C D E F G H I J K L
B
46kDa
p44 MAPK
p42 MAPK
A B C D E F G H I J K L

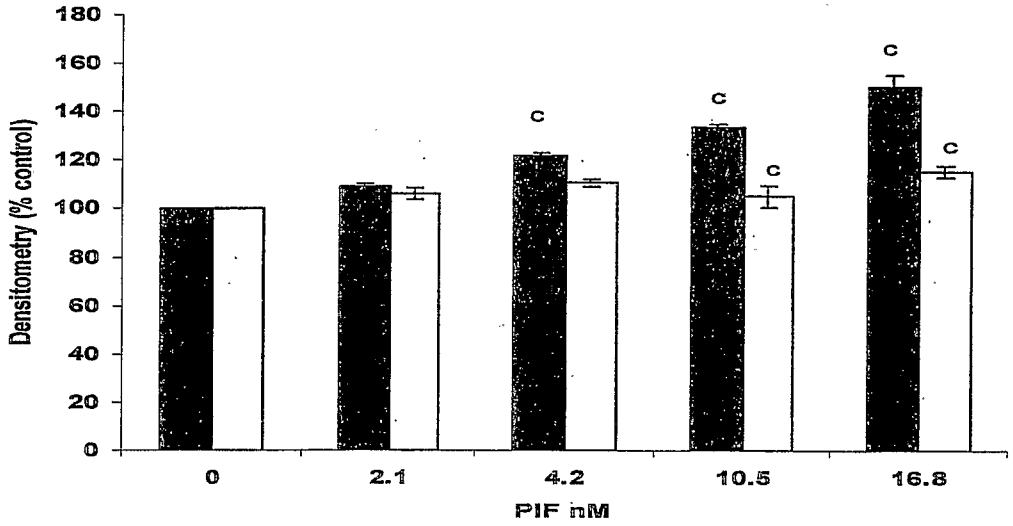
Figure 12

# Figure 13

A




B




C

