Fig. 1

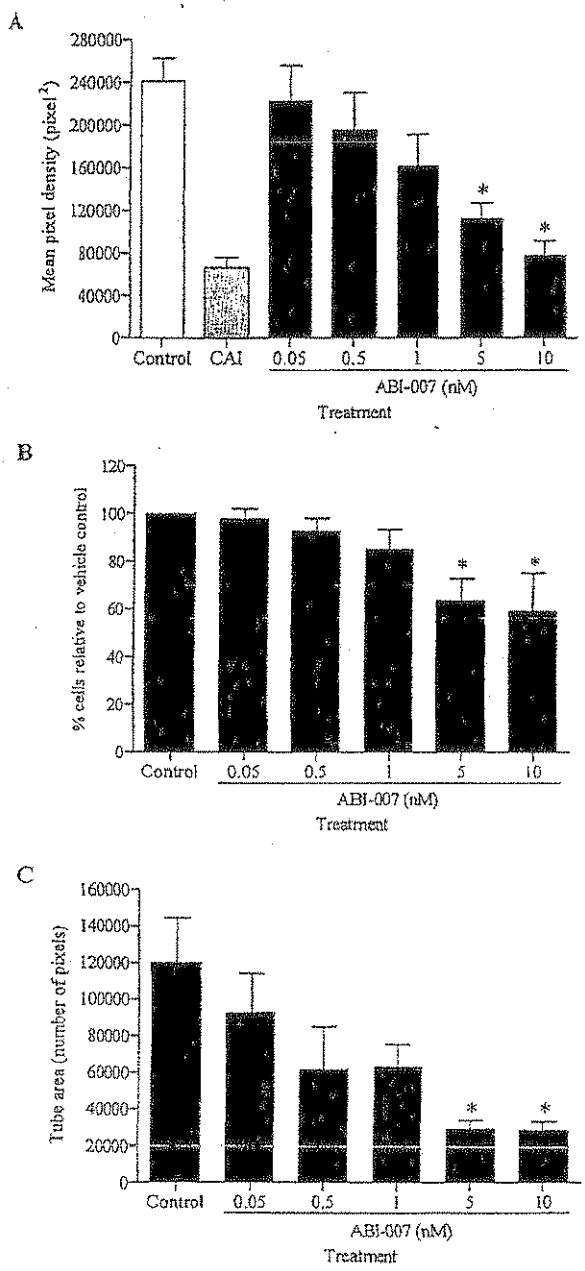

A
Mean pixel density (pixel^2)
280000
240000
200000
160000
120000
80000
40000
0
Control
CAI
0.05
0.5
1
5
10
ABI-007 (nM)
Treatment
B
% cells relative to vehicle control
120
100
80
60
40
20
0
Control
0.05
0.5
1
5
10
ABI-007 (nM)
Treatment
C
Tube area (number of pixels)
160000
140000
120000
100000
80000
60000
40000
20000
0
Control
0.05
0.5
1
5
10
ABI-007 (nM)
Treatment

Fig. 2

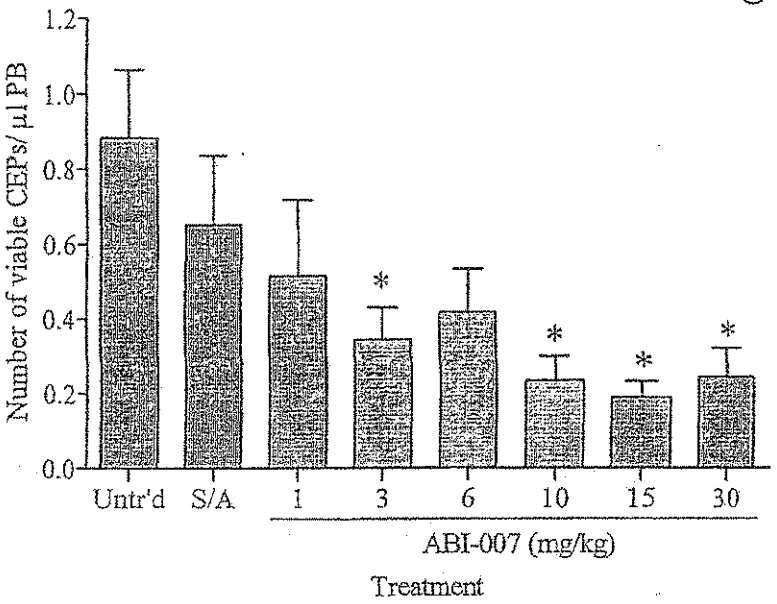

Number of viable CEPs/ µl PB
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Untr'd
S/A
1
3
6
10
15
30
*
ABI-007 (mg/kg)
Treatment

Fig. 3

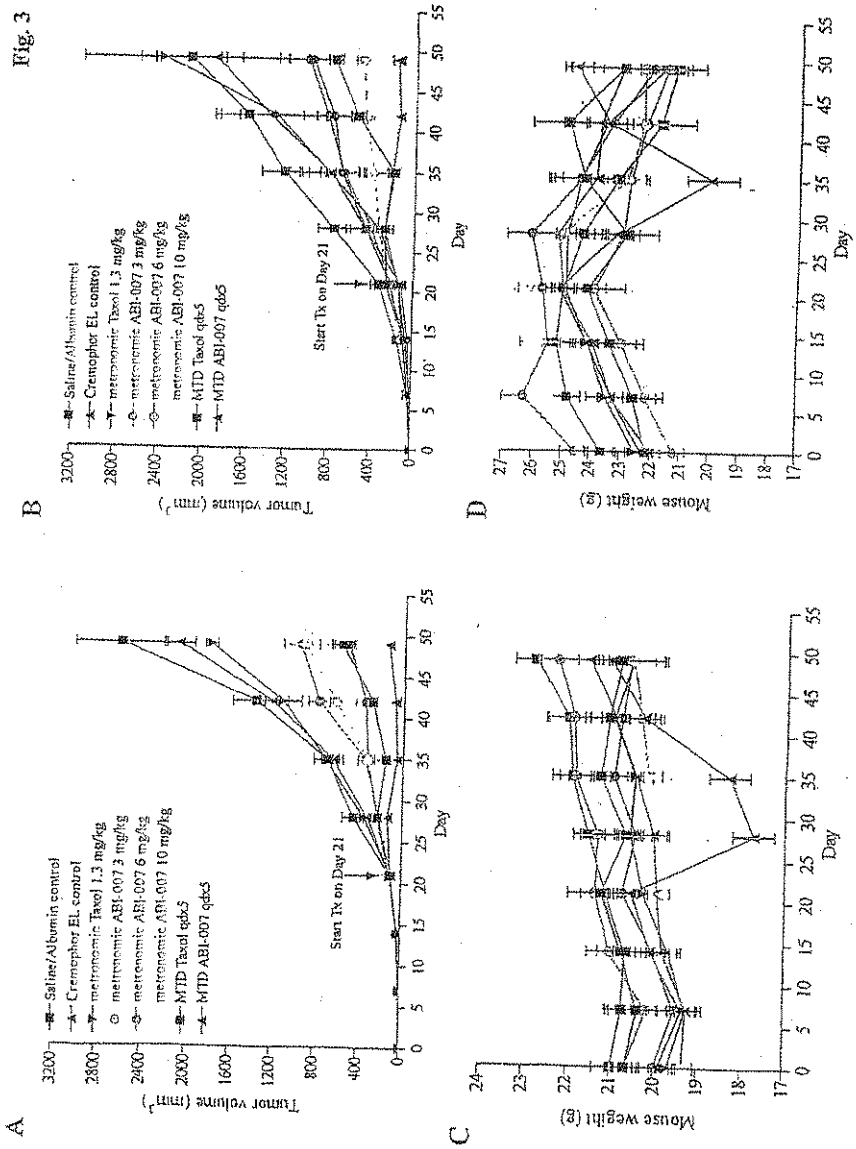
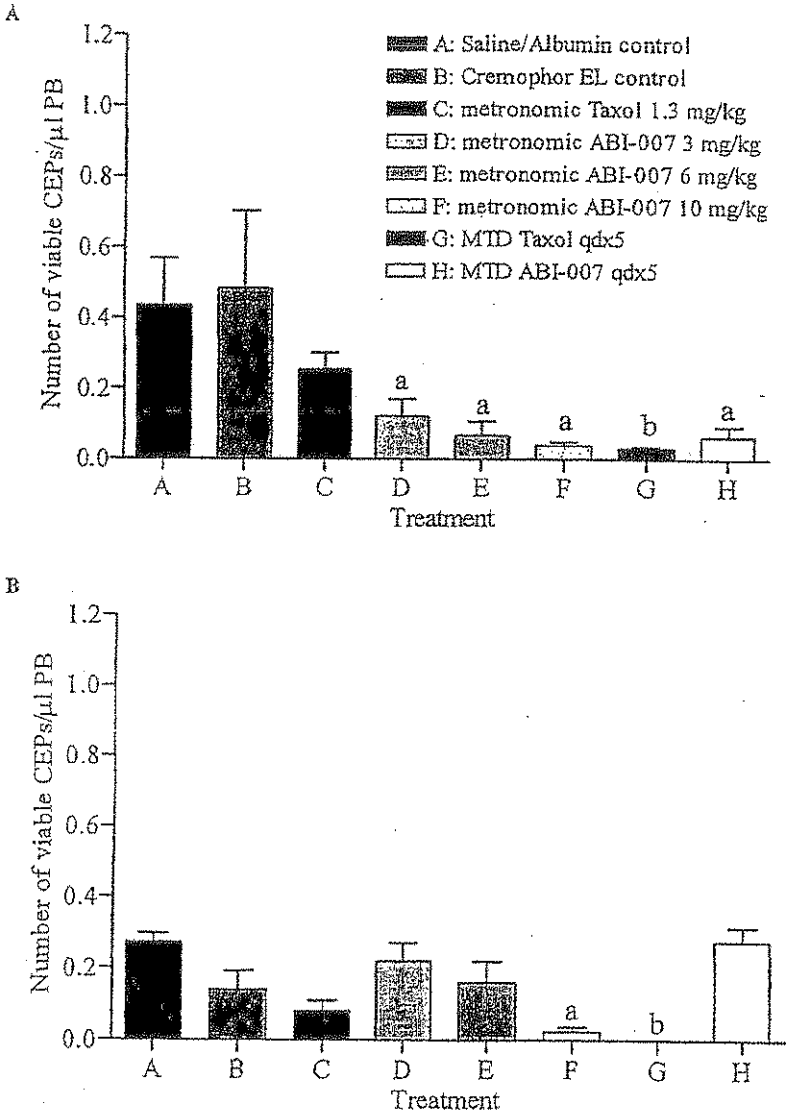

A
B
C
D
Tumor volume (mm³)
Mouse weight (g)
Day
Saline/Albumin control
Cremophor EL control
metronomic Taxol 1.3 mg/kg
metronomic ABI-007 3 mg/kg
metronomic ABI-007 6 mg/kg
metronomic ABI-007 10 mg/kg
MTD Taxol qdx5
MTD ABI-007 qdx5
Start Tx on Day 21

Fig. 4


A
Number of viable CEPs/μl PB
1.2
1.0
0.8
0.6
0.4
0.2
0.0
A: Saline/Albumin control
B: Cremophor EL control
C: metronomic Taxol 1.3 mg/kg
D: metronomic ABI-007 3 mg/kg
E: metronomic ABI-007 6 mg/kg
F: metronomic ABI-007 10 mg/kg
G: MTD Taxol qdx5
H: MTD ABI-007 qdx5
a
a
a
b
a
A
B
C
D
E
F
G
H
Treatment
B
Number of viable CEPs/μl PB
1.2
1.0
0.8
0.6
0.4
0.2
0.0
a
b
A
B
C
D
E
F
G
H
Treatment

5A

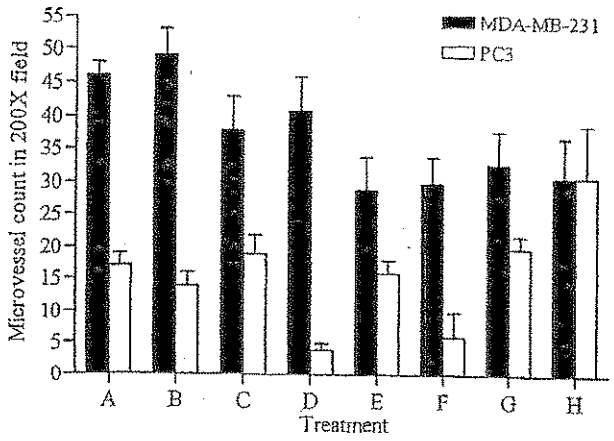
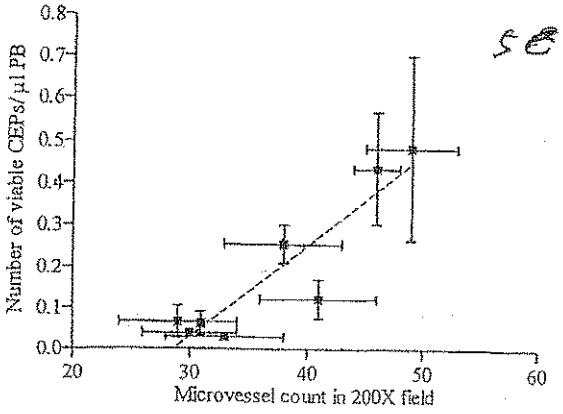

MDA-MB-231
PC3
Microvessel count in 200X field
Treatment
A
B
C
D
E
F
G
H

Fig. 5

5B


Number of viable CEPs/μl PB
Microvessel count in 200X field

5C

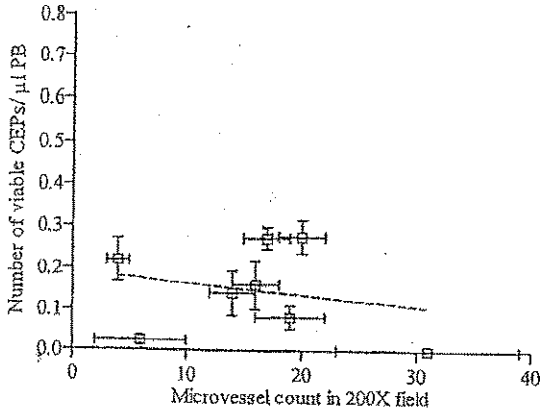

Number of viable CEPs/μl PB
Microvessel count in 200X field

Fig. 6

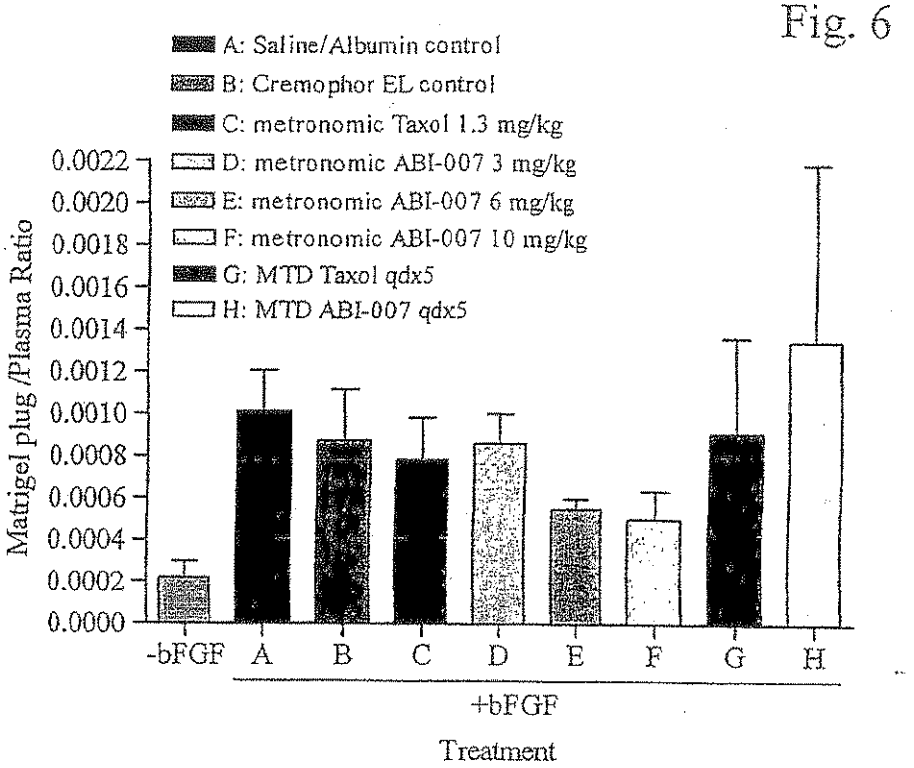
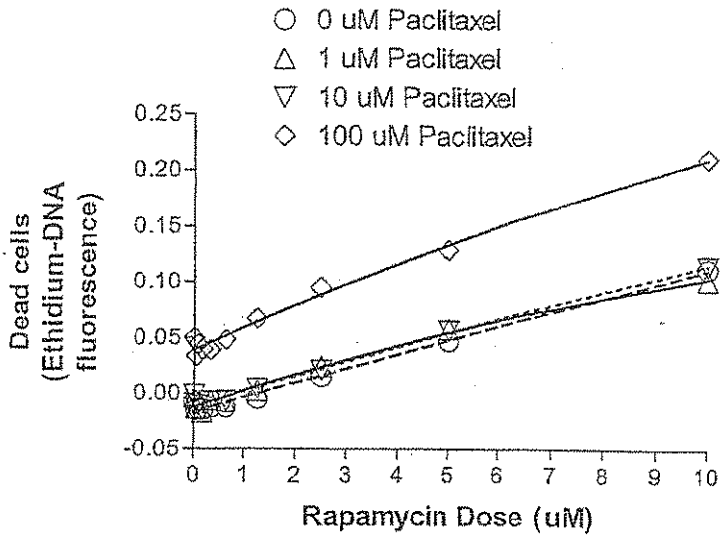

A: Saline/Albumin control
B: Cremophor EL control
C: metronomic Taxol 1.3 mg/kg
D: metronomic ABI-007 3 mg/kg
E: metronomic ABI-007 6 mg/kg
F: metronomic ABI-007 10 mg/kg
G: MTD Taxol qdx5
H: MTD ABI-007 qdx5
Matrigel plug /Plasma Ratio
0.0022
0.0020
0.0018
0.0016
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
-bFGF
A
B
C
D
E
F
G
H
+bFGF
Treatment

FIG. 7

A


0 uM Paclitaxel
1 uM Paclitaxel
10 uM Paclitaxel
100 uM Paclitaxel
Dead cells
(Ethidium-DNA
fluorescence)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0 1 2 3 4 5 6 7 8 9 10
Rapamycin Dose (uM)

B

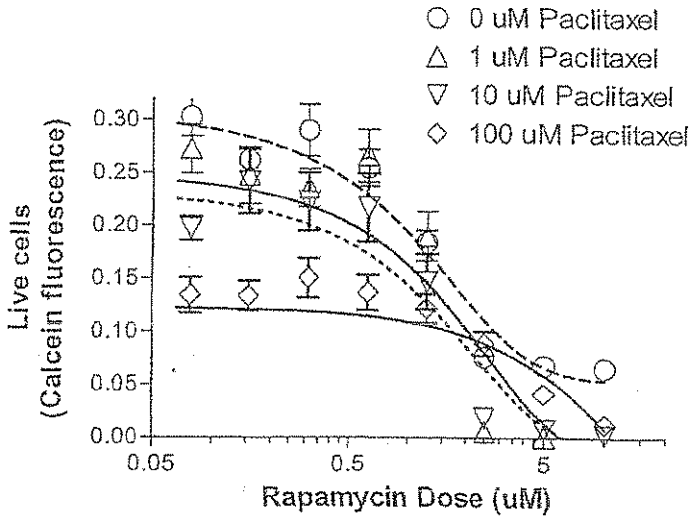

0 uM Paclitaxel
1 uM Paclitaxel
10 uM Paclitaxel
100 uM Paclitaxel
Live cells
(Calcein fluorescence)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.05
0.5
5
Rapamycin Dose (uM)

FIG. 8

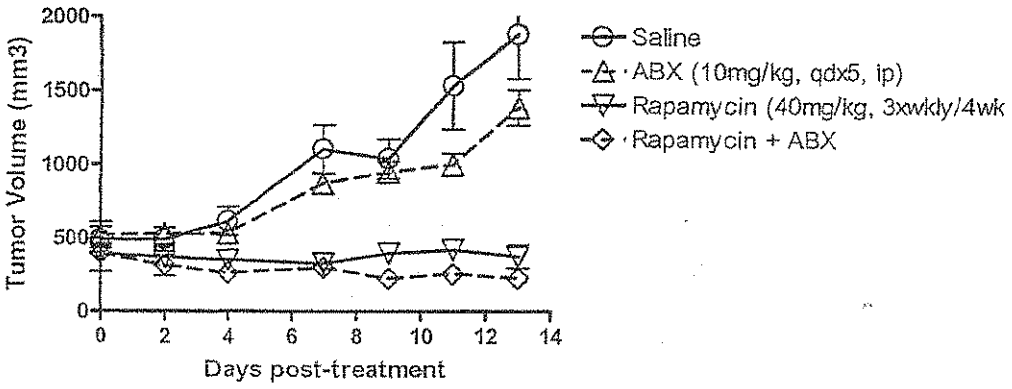
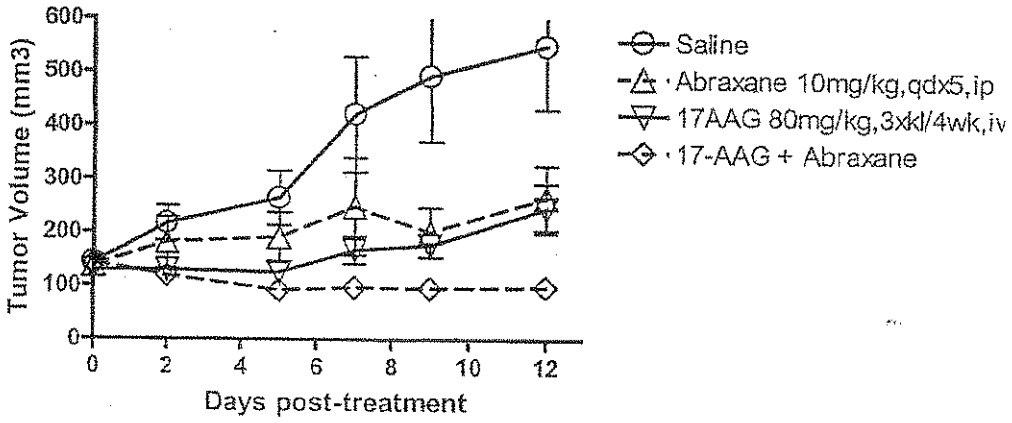

Tumor Volume (mm3)
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
Days post-treatment
Saline
ABX (10mg/kg, qdx5, ip)
Rapamycin (40mg/kg, 3xwkly/4wk
Rapamycin + ABX

FIG. 9


Tumor Volume (mm3)
600
500
400
300
200
100
0
0
2
4
6
8
10
12
Days post-treatment
Saline
Abraxane 10mg/kg,qdx5,ip
17AAG 80mg/kg,3xkl/4wk,iv
17-AAG + Abraxane