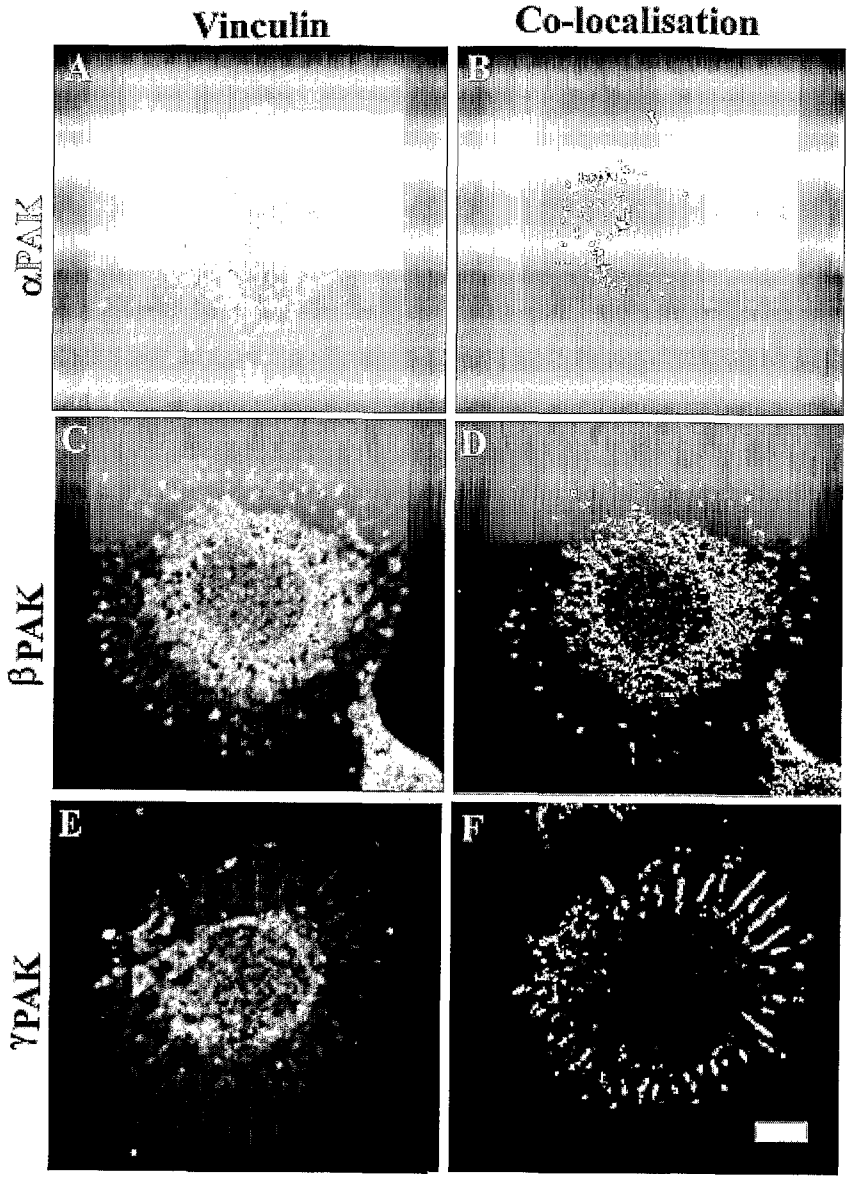


FIGURE 1

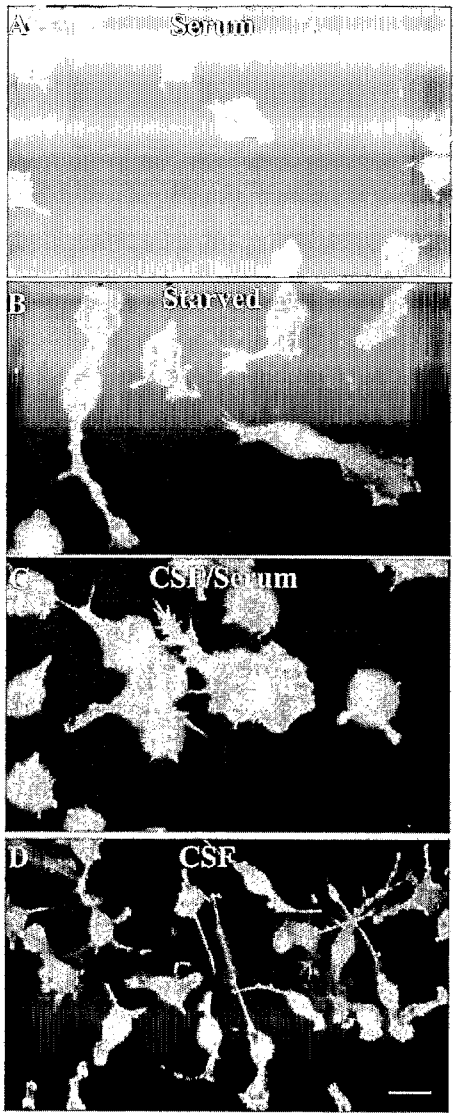


FIGURE 2A

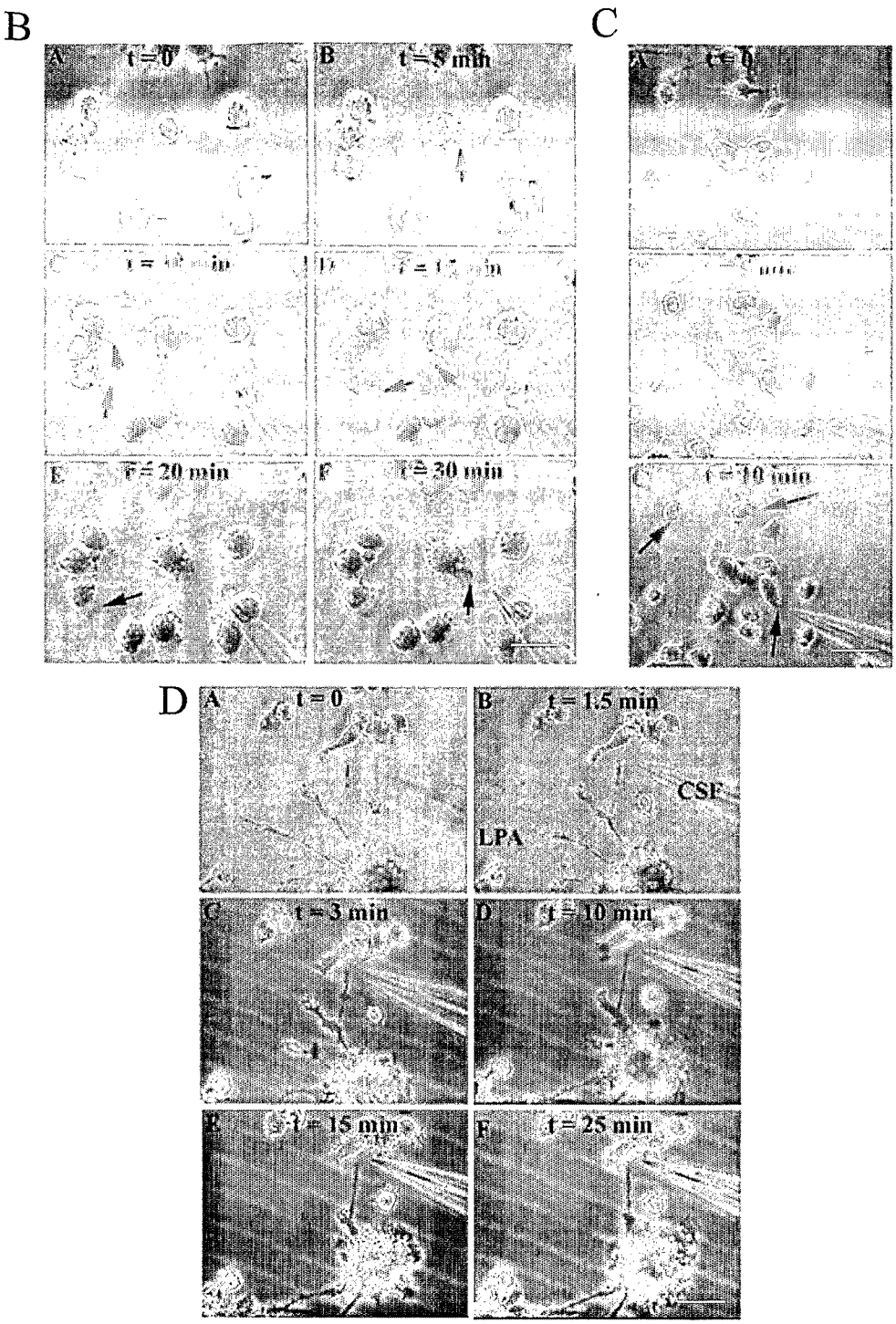


FIGURE 2B, 2C, 2D

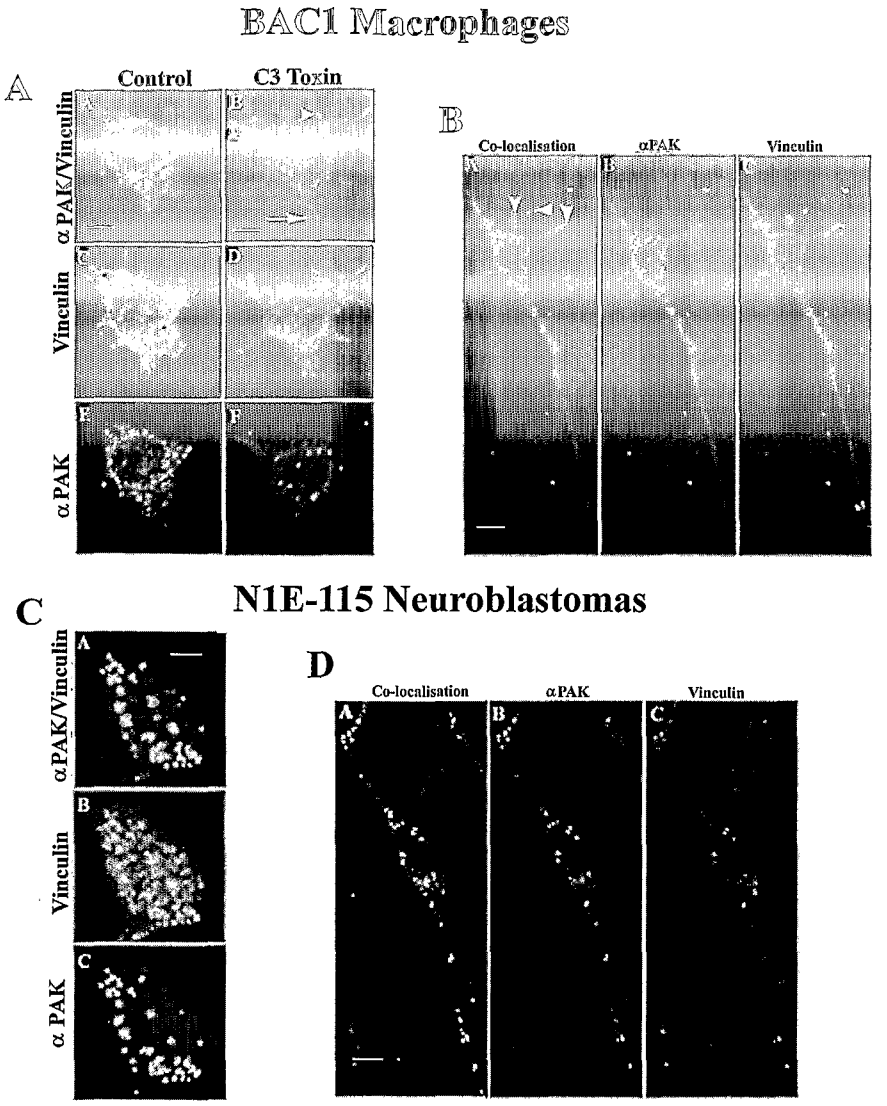

BAC1 Macrophages
A
Control
C3 Toxin
α PAK/Vinculin
Vinculin
α PAK
B
Co-localisation
αPAK
Vinculin
C
N1E-115 Neuroblastomas
D
Co-localisation
αPAK
Vinculin

FIGURE 3

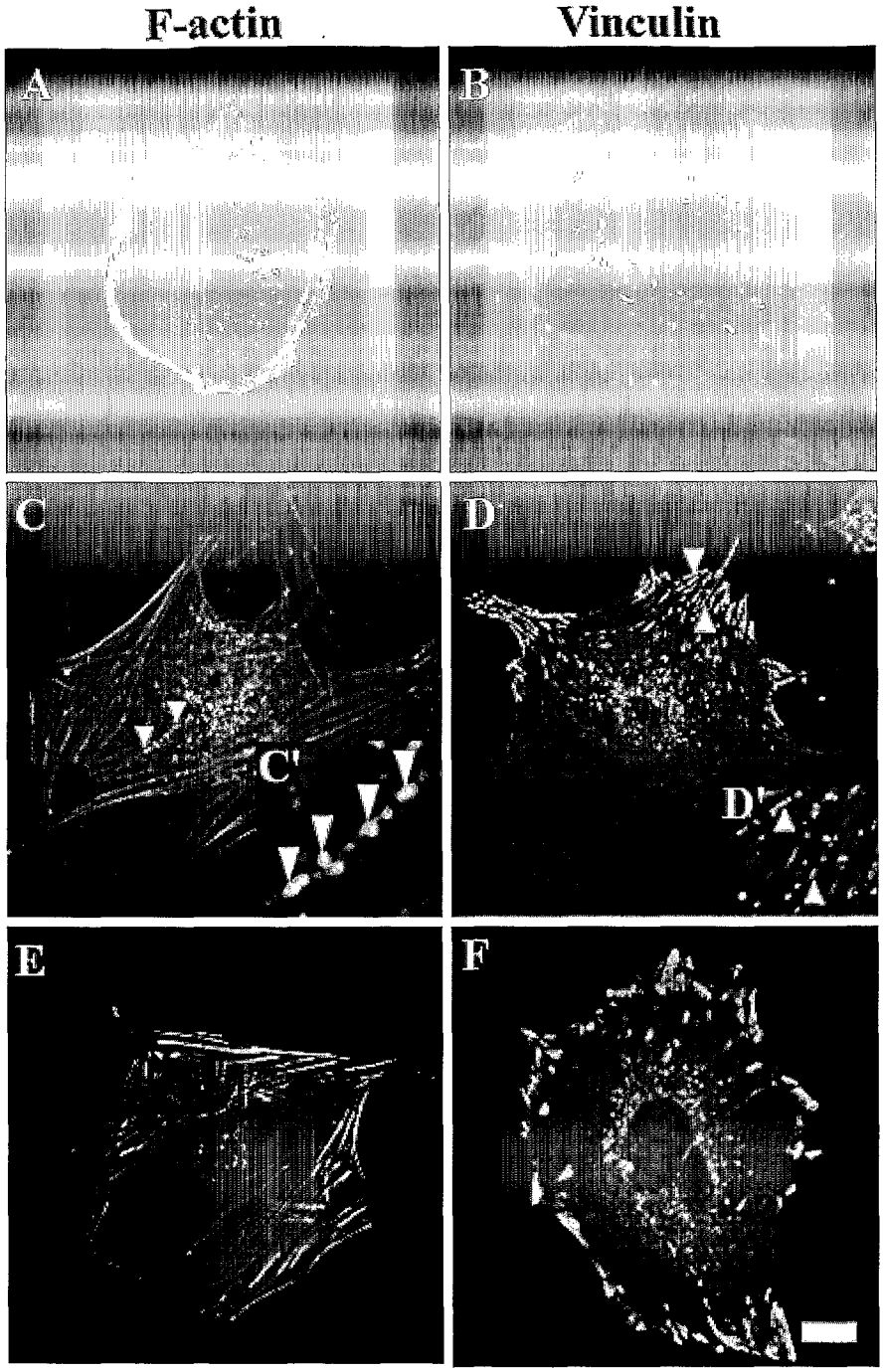


FIGURE 4A

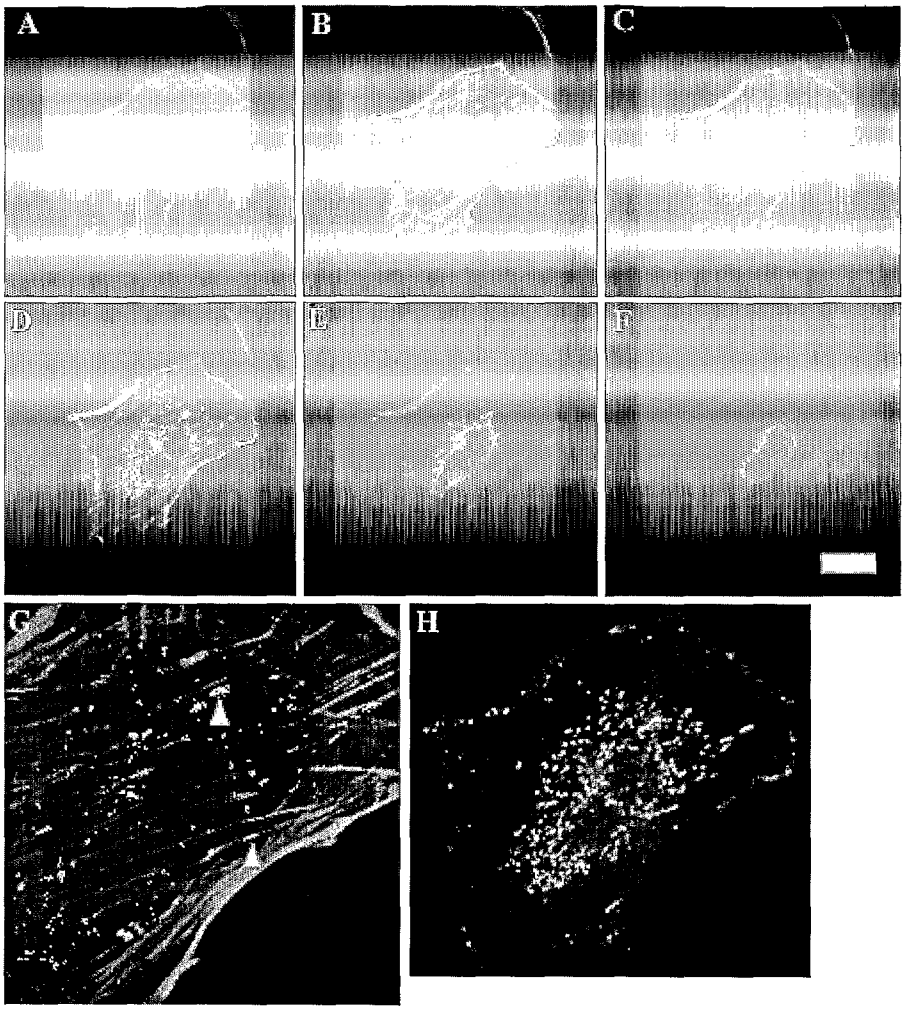


FIGURE 4B

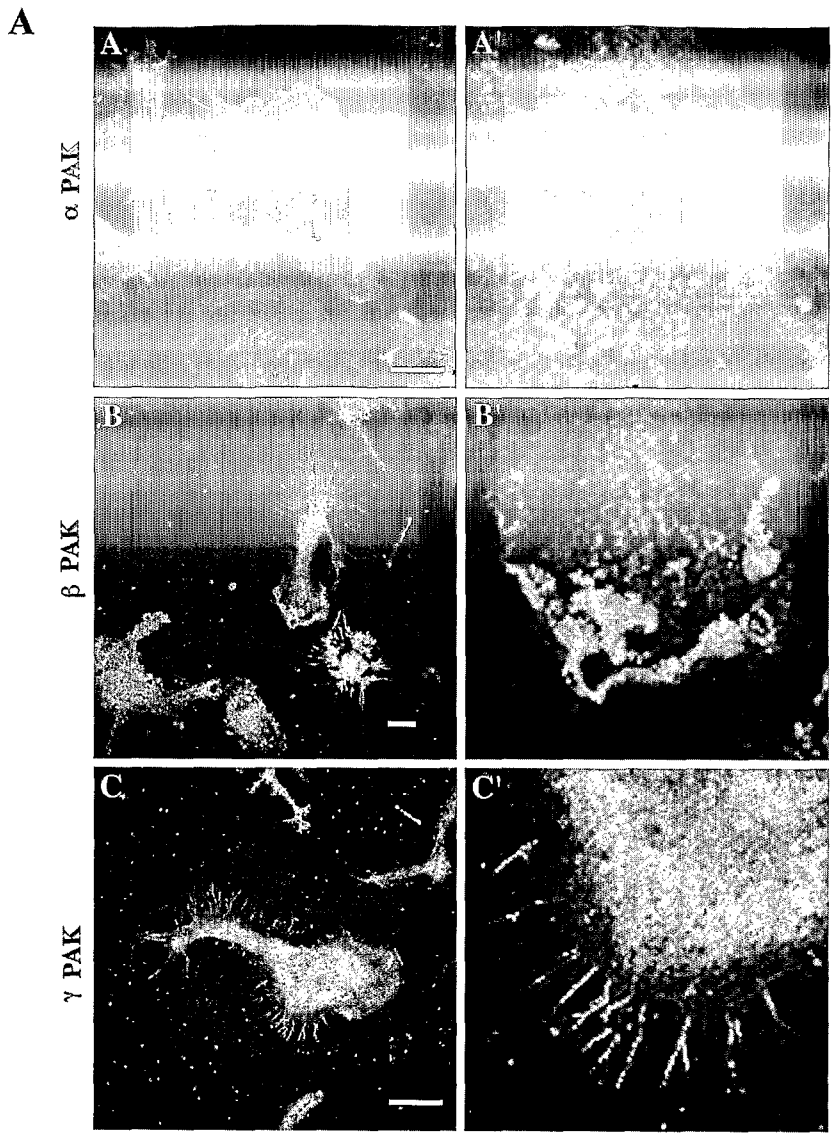


FIGURE 5A

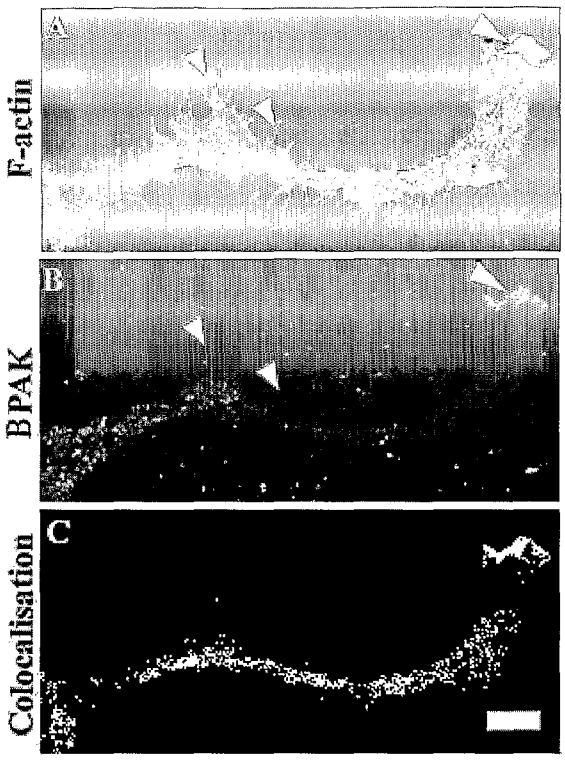


FIGURE 5B

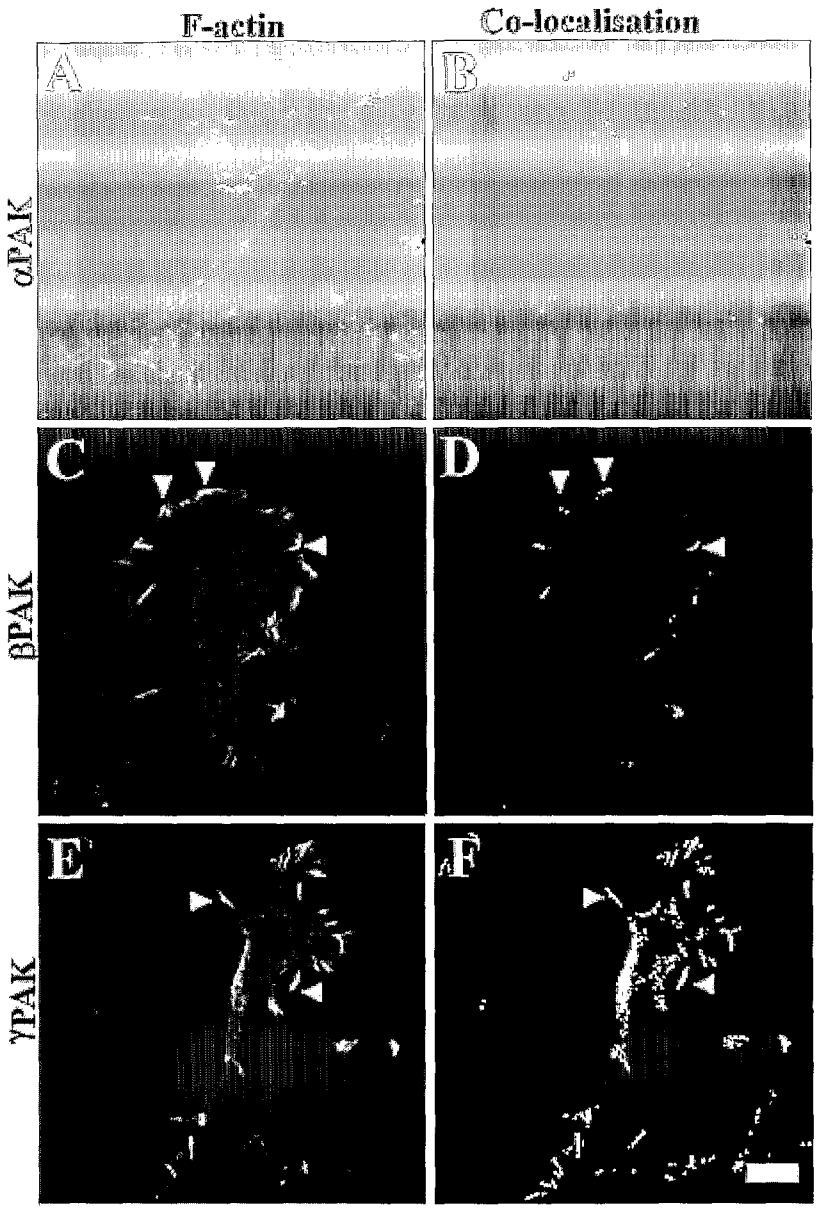


FIGURE 6

A

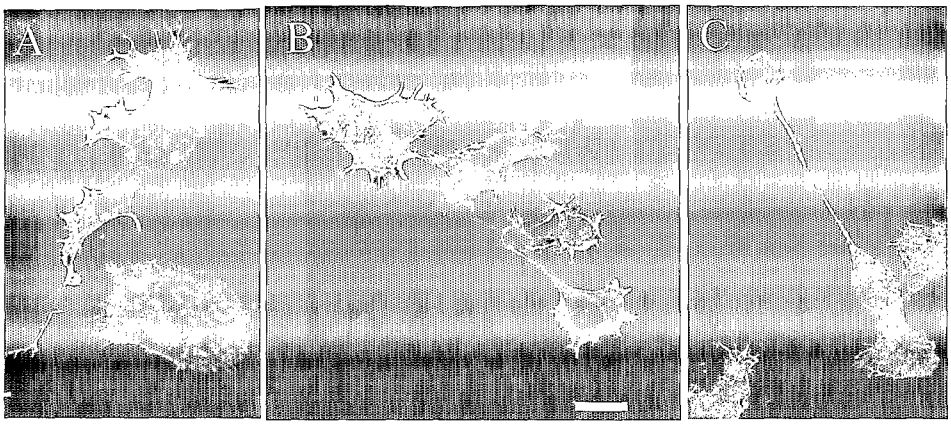


FIGURE 7A

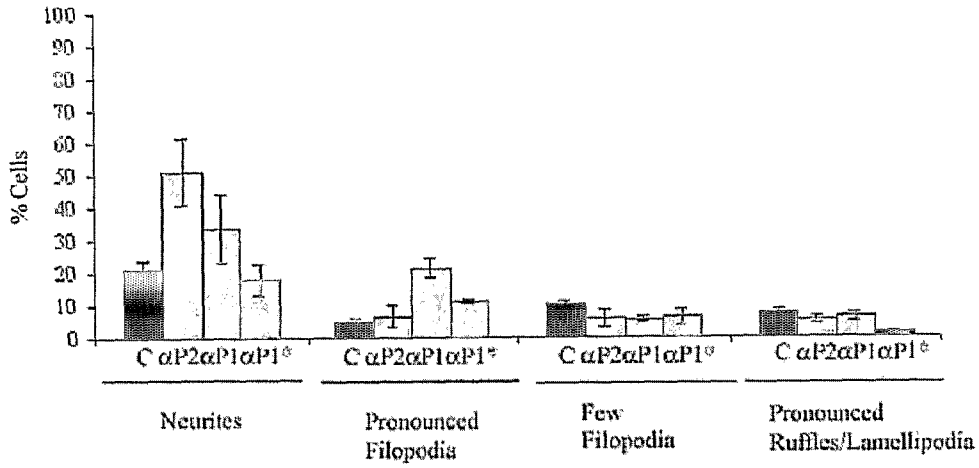

100
90
80
70
60
50
40
30
20
10
0
% Cells
C αP2αP1αP1*
C αP2αP1αP1*
C αP2αP1αP1*
C αP2αP1αP1*
Neurites
Pronounced Filopodia
Few Filopodia
Pronounced Ruffles/Lamellipodia
Cell Morpholgy

FIGURE 7B

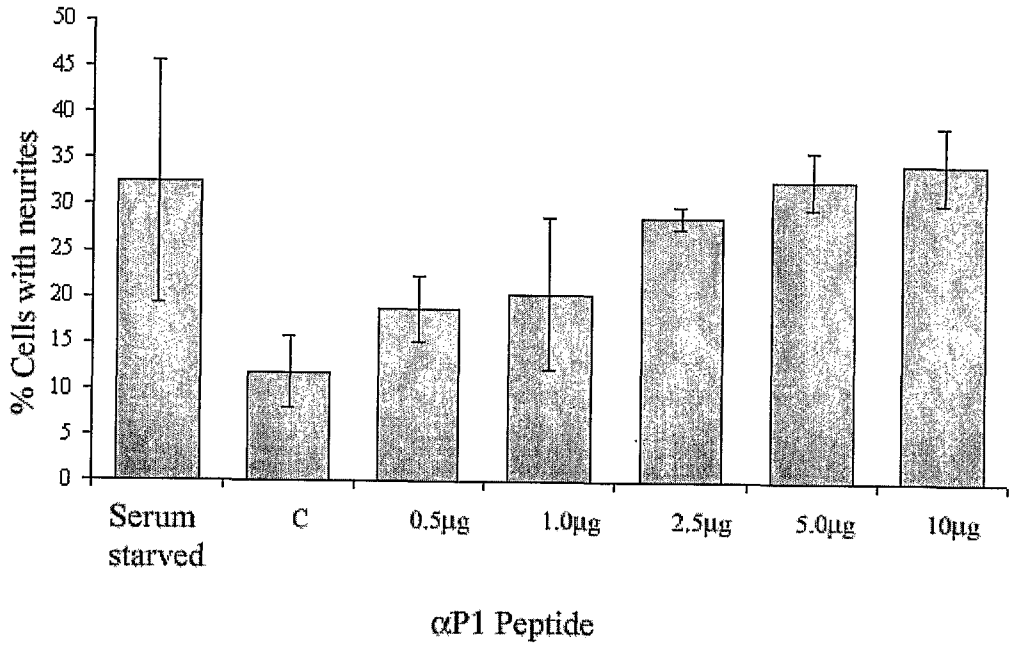

% Cells with neurites
50
45
40
35
30
25
20
15
10
5
0
Serum starved
C
0.5µg
1.0µg
2.5µg
5.0µg
10µg
αP1 Peptide

FIGURE 7C

D

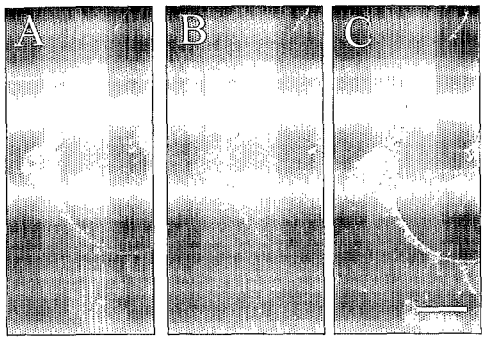


FIGURE 7D

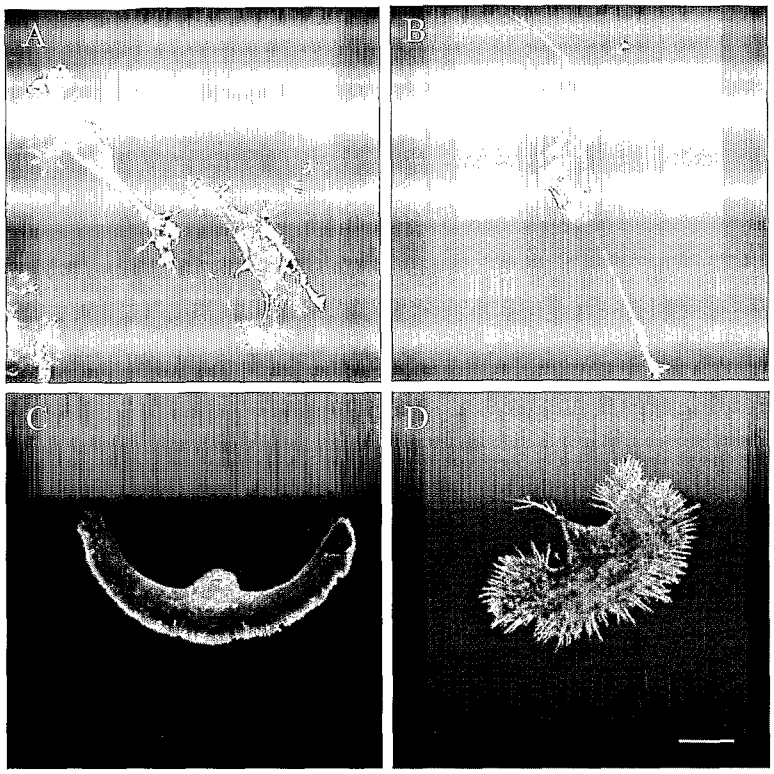


FIGURE 8A

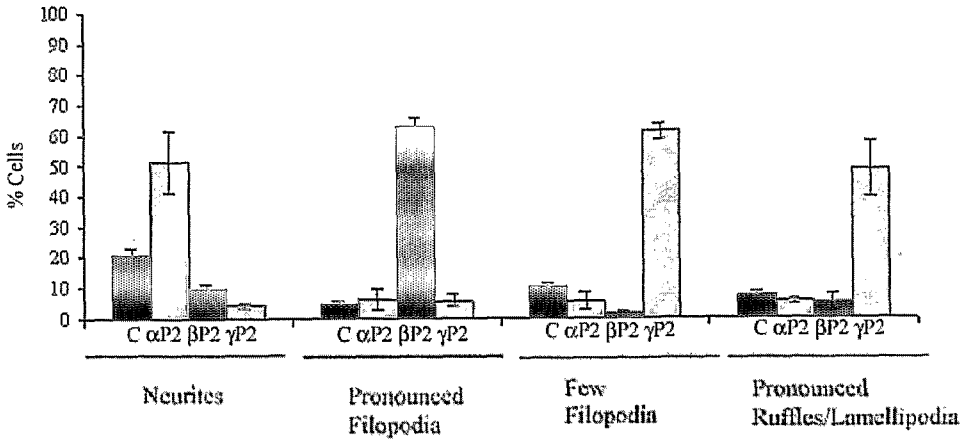

100
90
80
70
60
50
40
30
20
10
0
% Cells
C αP2 βP2 γP2
C αP2 βP2 γP2
C αP2 βP2 γP2
C αP2 βP2 γP2
Neurites
Pronounced Filopodia
Few Filopodia
Pronounced Ruffles/Lamellipodia
Cell morphology

FIGURE 8B

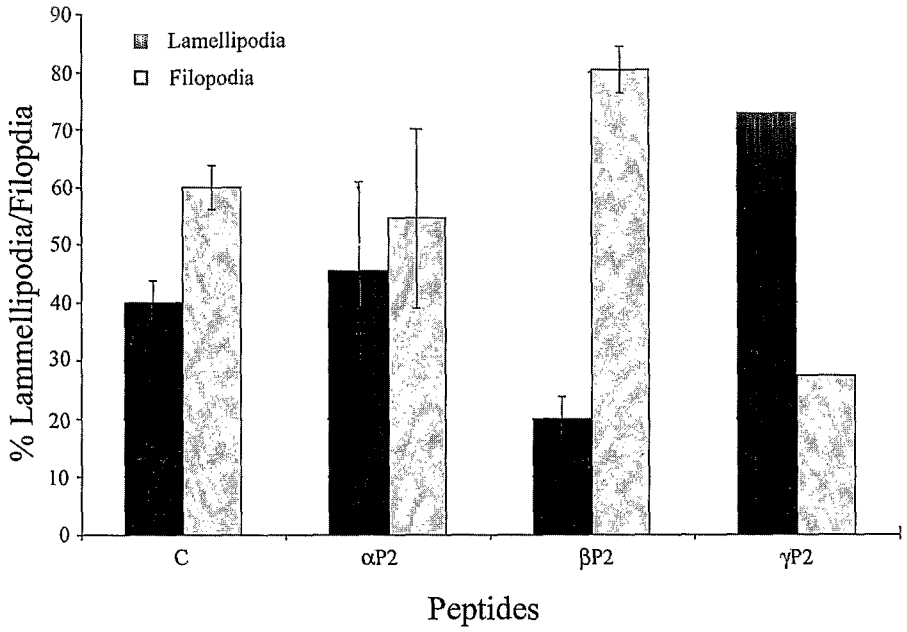

90
80
70
60
50
40
30
20
10
0
% Lammellipodia/Filopdia
Lamellipodia
Filopodia
C
αP2
βP2
γP2
Peptides

FIGURE 8C

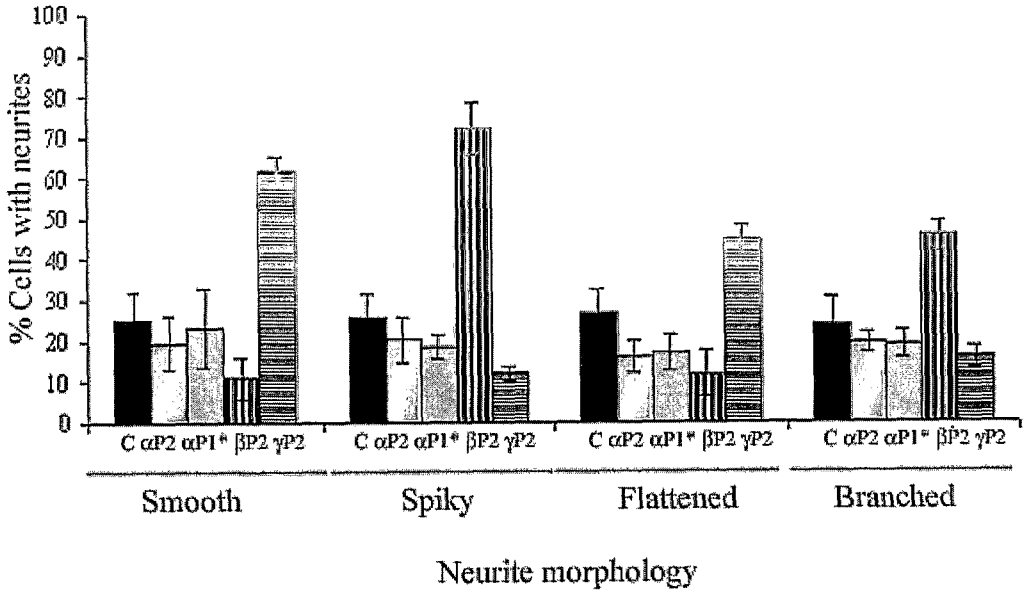

% Cells with neurites
100
90
80
70
60
50
40
30
20
10
0
C αP2 αP1* βP2 γP2
C αP2 αP1* βP2 γP2
C αP2 αP1* βP2 γP2
C αP2 αP1* βP2 γP2
Smooth
Spiky
Flattened
Branched
Neurite morphology

FIGURE 9A

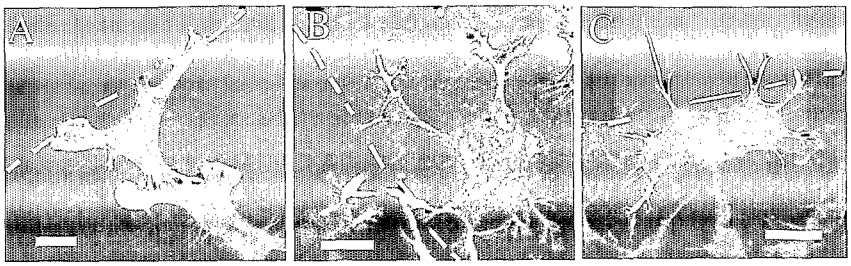


FIGURE 9B

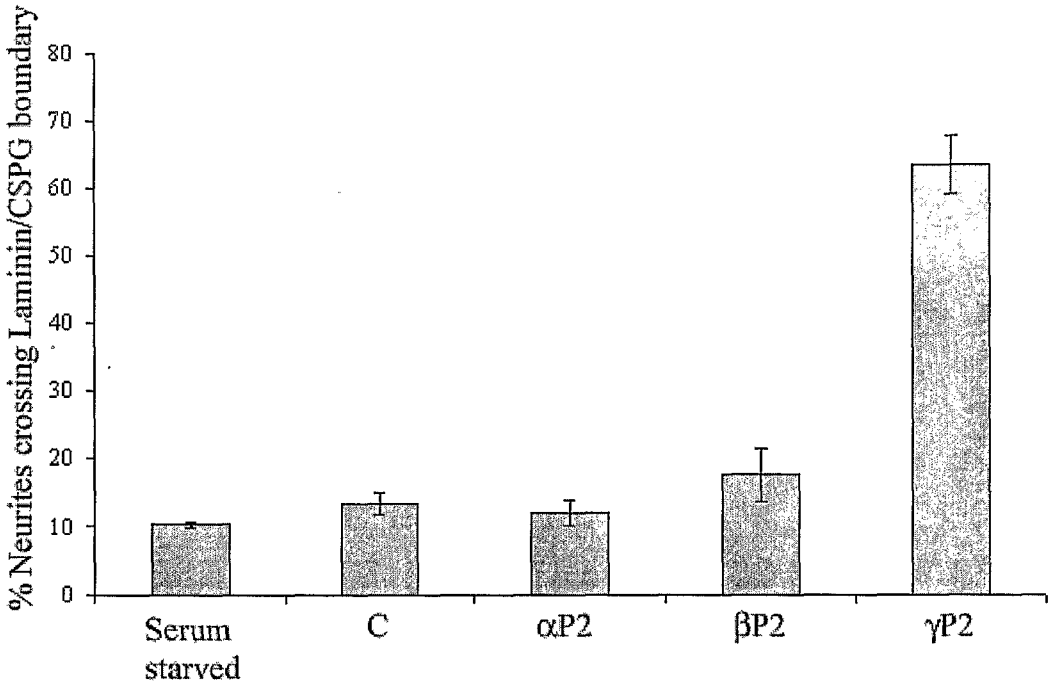

% Neurites crossing Laminin/CSPG boundary
80
70
60
50
40
30
20
10
0
Serum starved
C
αP2
βP2
γP2

FIGURE 9C

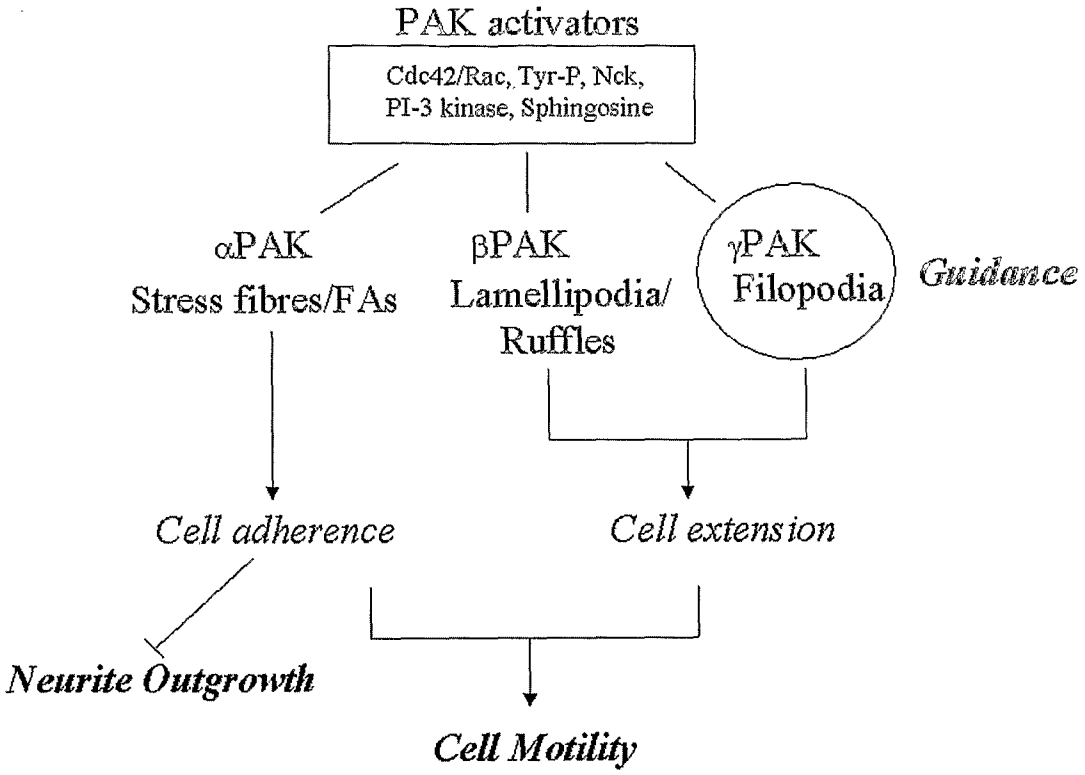

PAK activators
Cdc42/Rac, Tyr-P, Nck,
PI-3 kinase, Sphingosine
αPAK
Stress fibres/FAs
βPAK
Lamellipodia/
Ruffles
γPAK
Filopodia
Guidance
Cell adherence
Cell extension
Neurite Outgrowth
Cell Motility

FIGURE 10