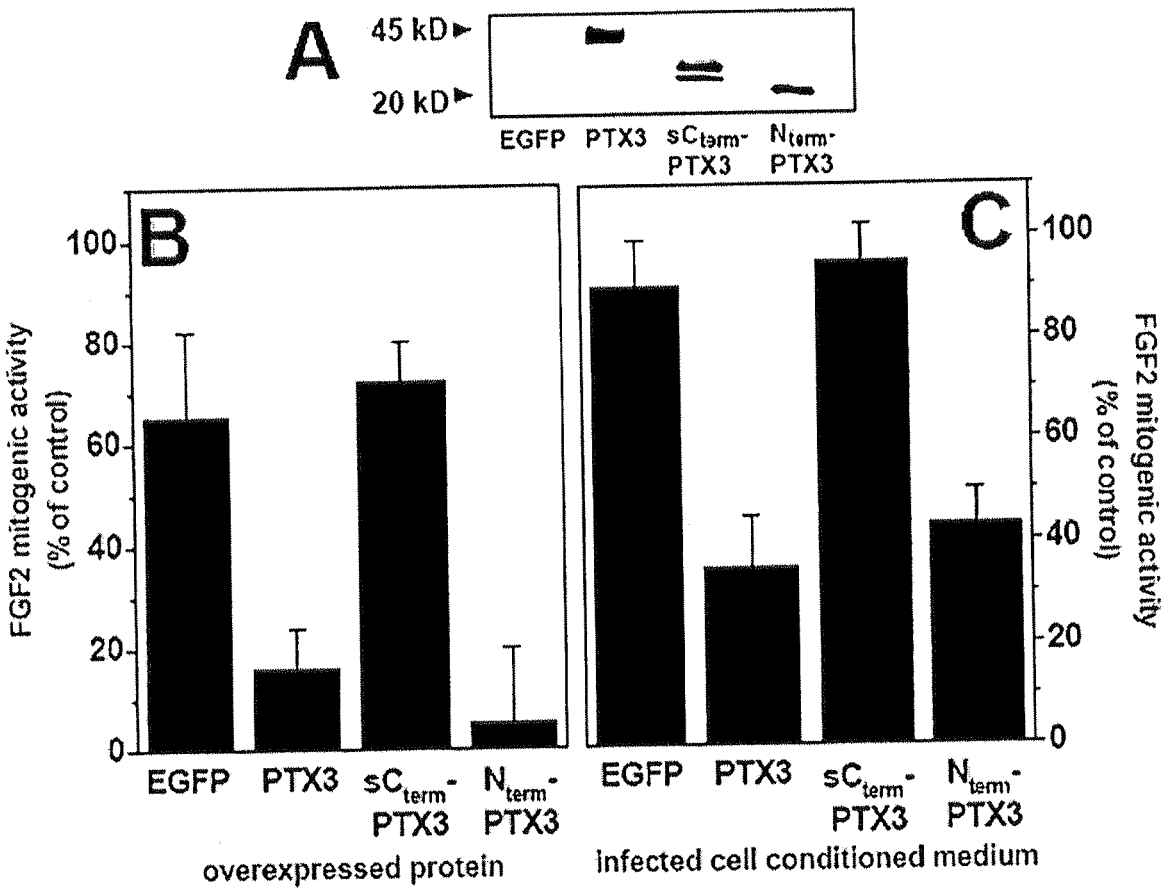

A
45 kD
20 kD
EGFP
PTX3
sCterm-PTX3
Nterm-PTX3
B
C
FGF2 mitogenic activity (% of control)
100
80
60
40
20
0
EGFP
PTX3
sCterm-PTX3
Nterm-PTX3
overexpressed protein
infected cell conditioned medium

Figure 1

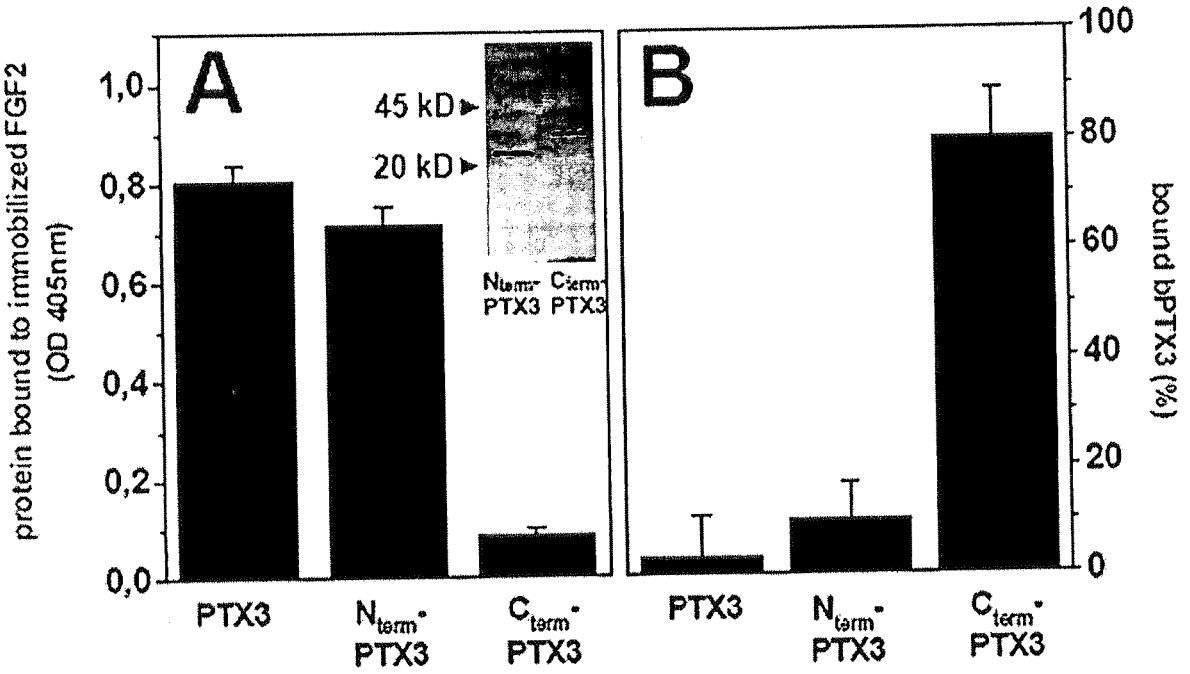

A
B
protein bound to immobilized FGF2 (OD 405nm)
bound hPTX3 (%)
1,0
0,8
0,6
0,4
0,2
0,0
100
80
60
40
20
0
45 kD
20 kD
PTX3
N-term-PTX3
C-term-PTX3

Figure 2

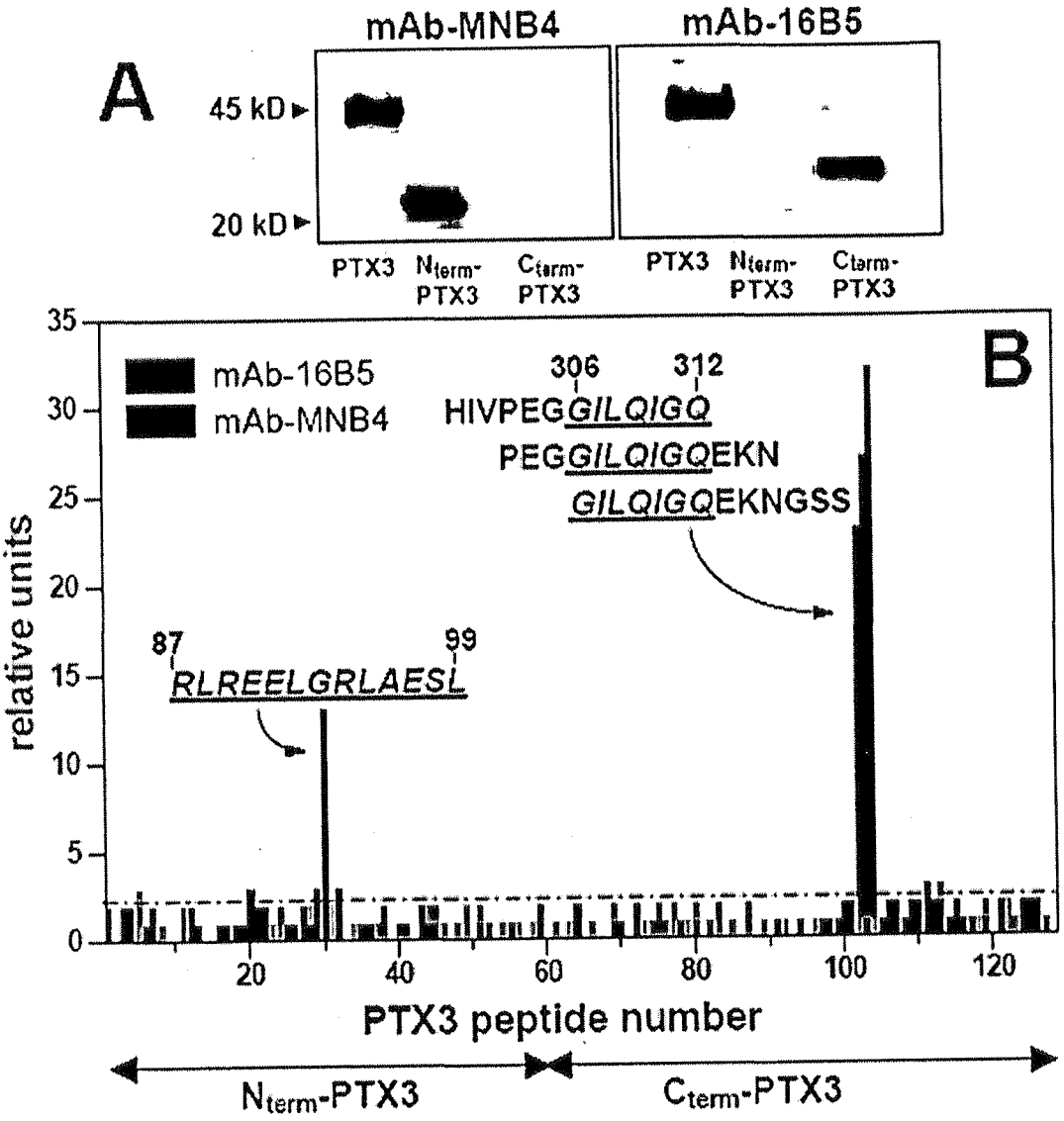

A
mAb-MNB4
mAb-16B5
45 kD
20 kD
PTX3
Nterm-PTX3
Cterm-PTX3
B
mAb-16B5
mAb-MNB4
306
312
HIVPEGGILQIGQ
PEGGILQIGQEKN
GILQIGQEKNGSS
87
99
RLREELGRLAESL
relative units
PTX3 peptide number
Nterm-PTX3
Cterm-PTX3

Figure 3

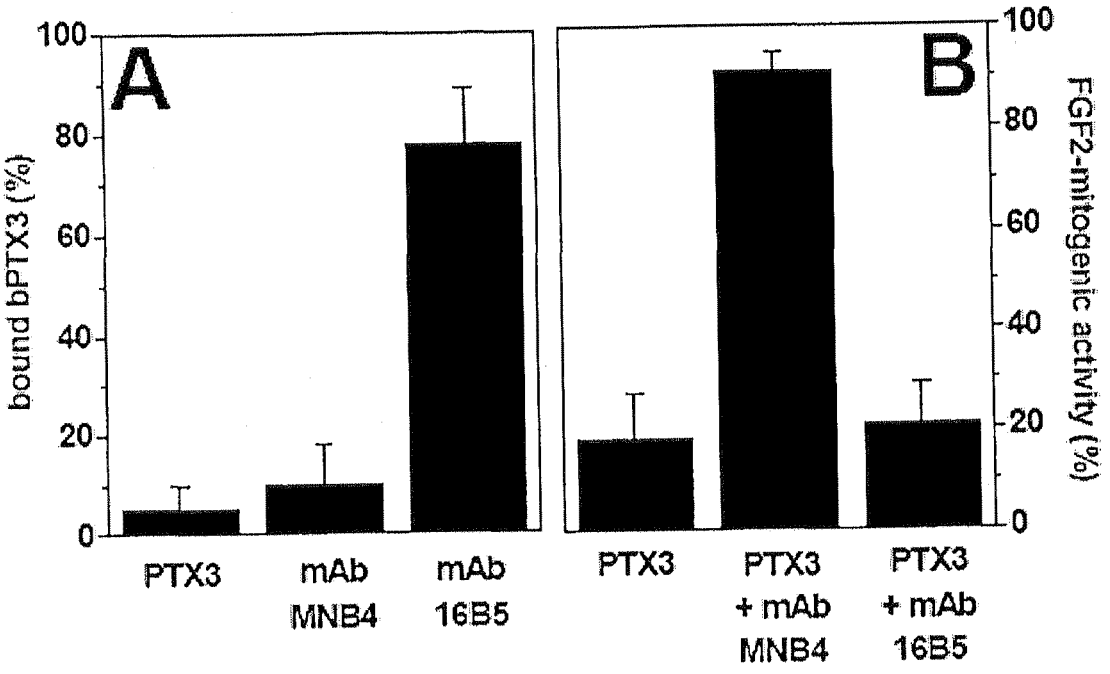

A
B
bound bPTX3 (%)
FGF2-mitogenic activity (%)
100
80
60
40
20
0
PTX3
mAb MNB4
mAb 16B5
PTX3
PTX3 + mAb MNB4
PTX3 + mAb 16B5

Figure 4

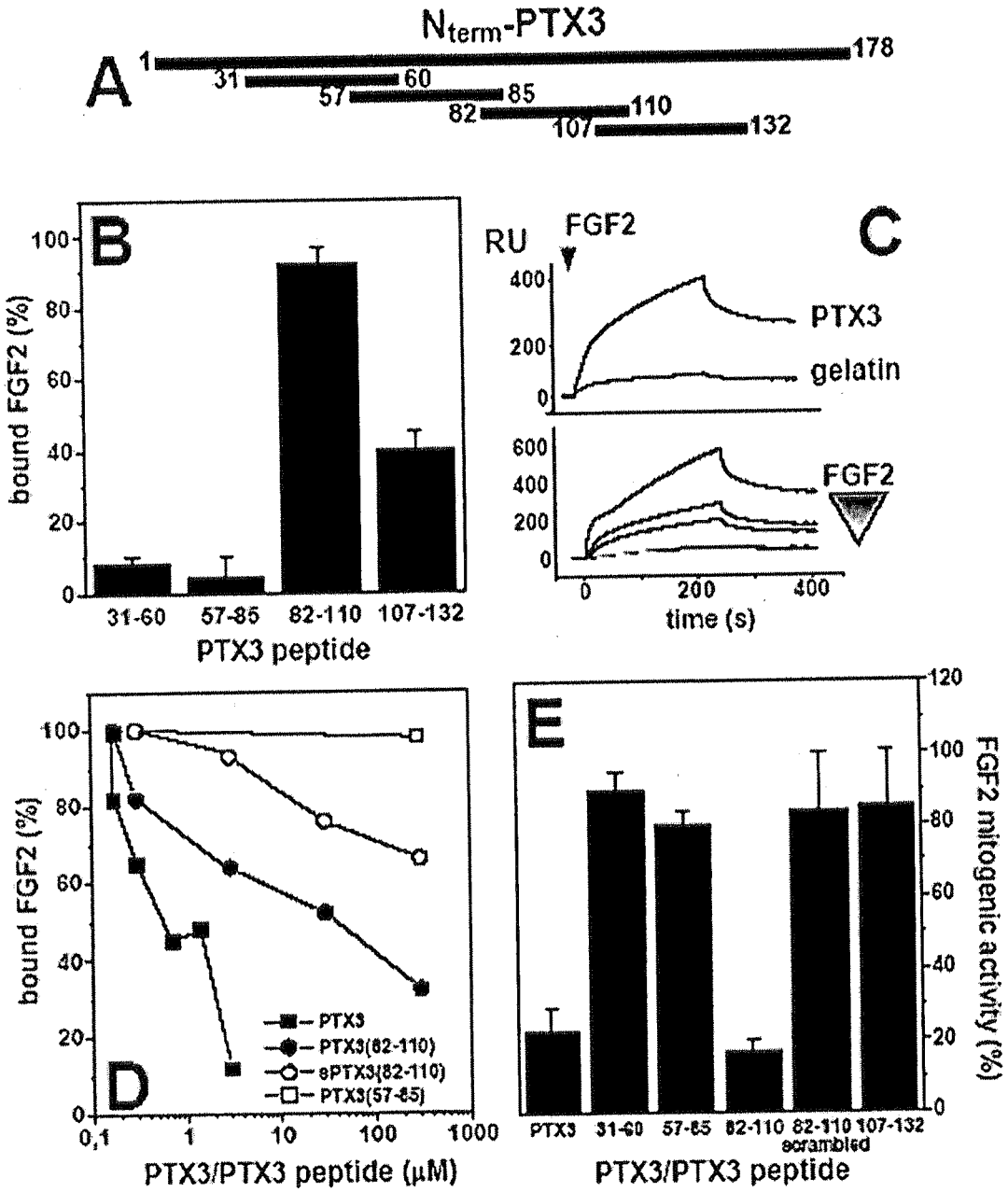
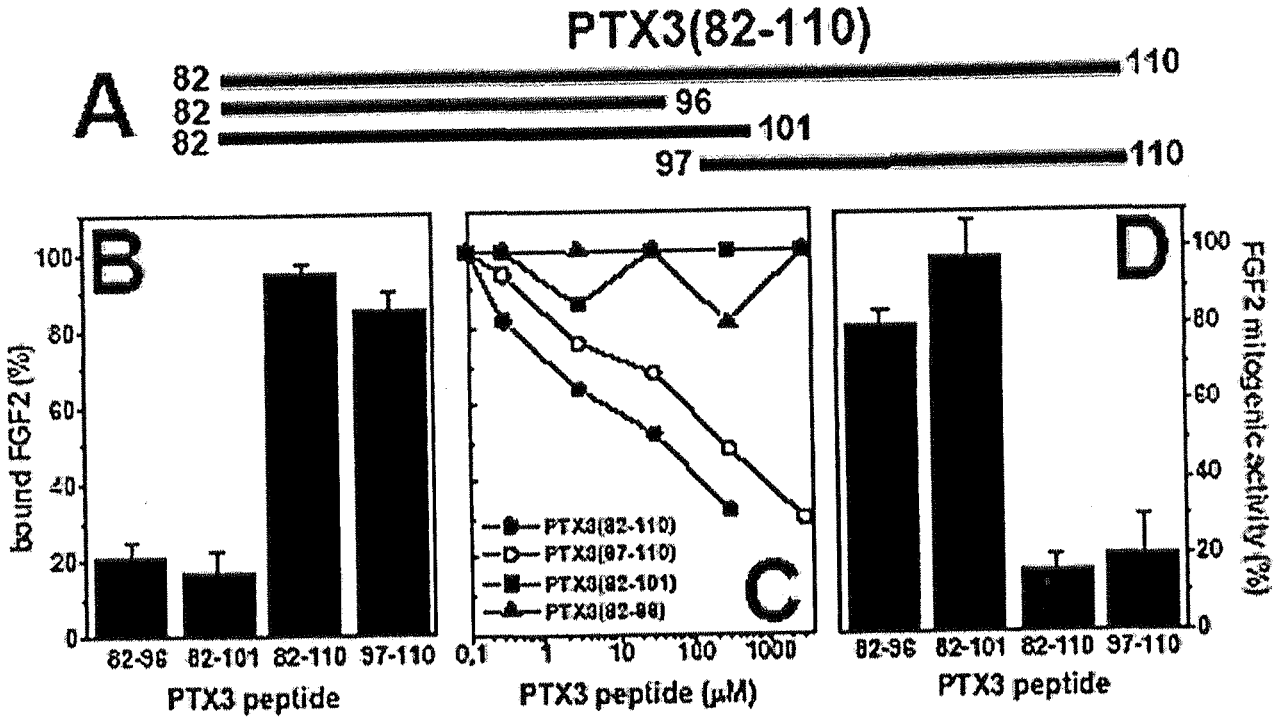

A
Nterm-PTX3
1
178
31
60
57
85
82
110
107
132
B
bound FGF2 (%)
100
80
60
40
20
0
31-60
57-85
82-110
107-132
PTX3 peptide
C
RU
FGF2
400
200
0
PTX3
gelatin
600
400
200
0
FGF2
0
200
400
time (s)
D
bound FGF2 (%)
100
80
60
40
20
0
0,1
1
10
100
1000
PTX3/PTX3 peptide (μM)
PTX3
PTX3(82-110)
sPTX3(82-110)
PTX3(57-85)
E
120
100
80
60
40
20
0
FGF2 mitogenic activity (%)
PTX3
31-60
57-85
82-110
82-110 scrambled
107-132
PTX3/PTX3 peptide

Figure 5


PTX3(82-110)
A
82
110
82
96
82
101
97
110
B
bound FGF2 (%)
82-96 82-101 82-110 97-110
PTX3 peptide
C
PTX3(82-110)
PTX3(97-110)
PTX3(82-101)
PTX3(82-96)
0,1 1 10 100 1000
PTX3 peptide (μM)
D
FGF2 mitogenic activity (%)
82-96 82-101 82-110 97-110
PTX3 peptide

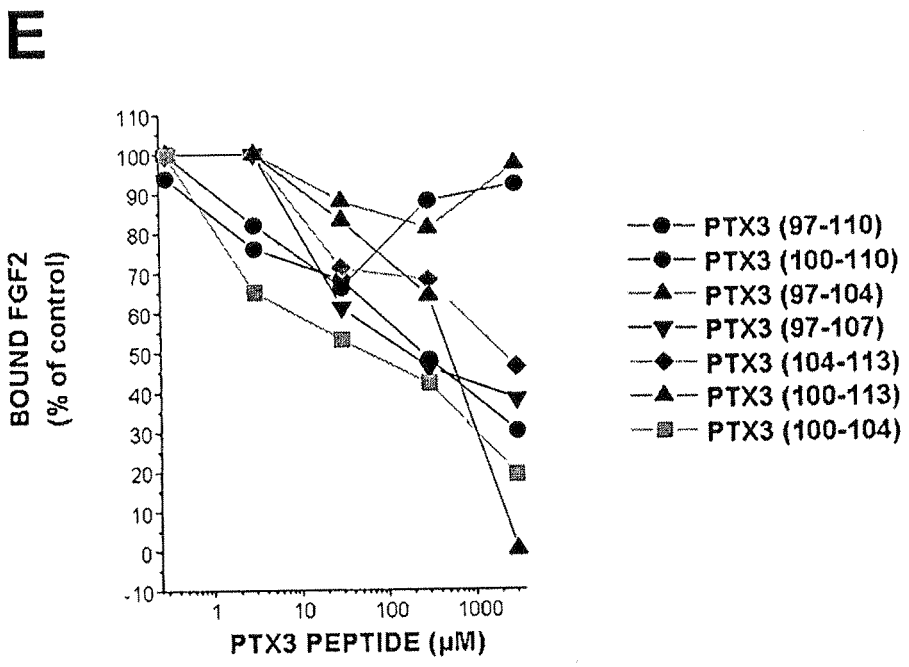

E
BOUND FGF2
(% of control)
PTX3 PEPTIDE (μM)
PTX3 (97-110)
PTX3 (100-110)
PTX3 (97-104)
PTX3 (97-107)
PTX3 (104-113)
PTX3 (100-113)
PTX3 (100-104)

Figure 6

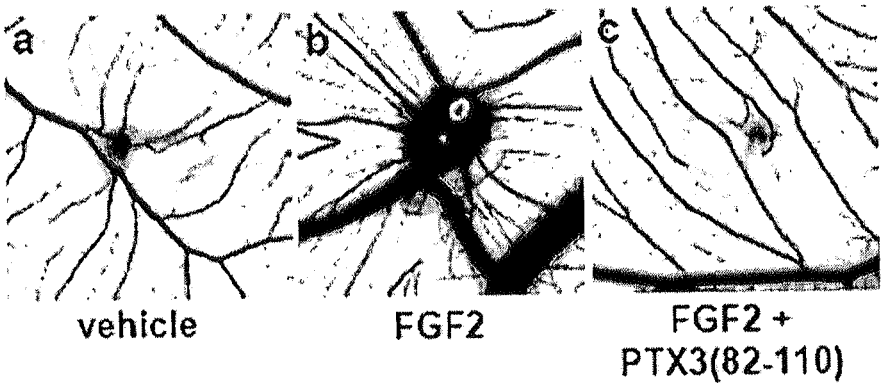


Figure 7