Fig.1

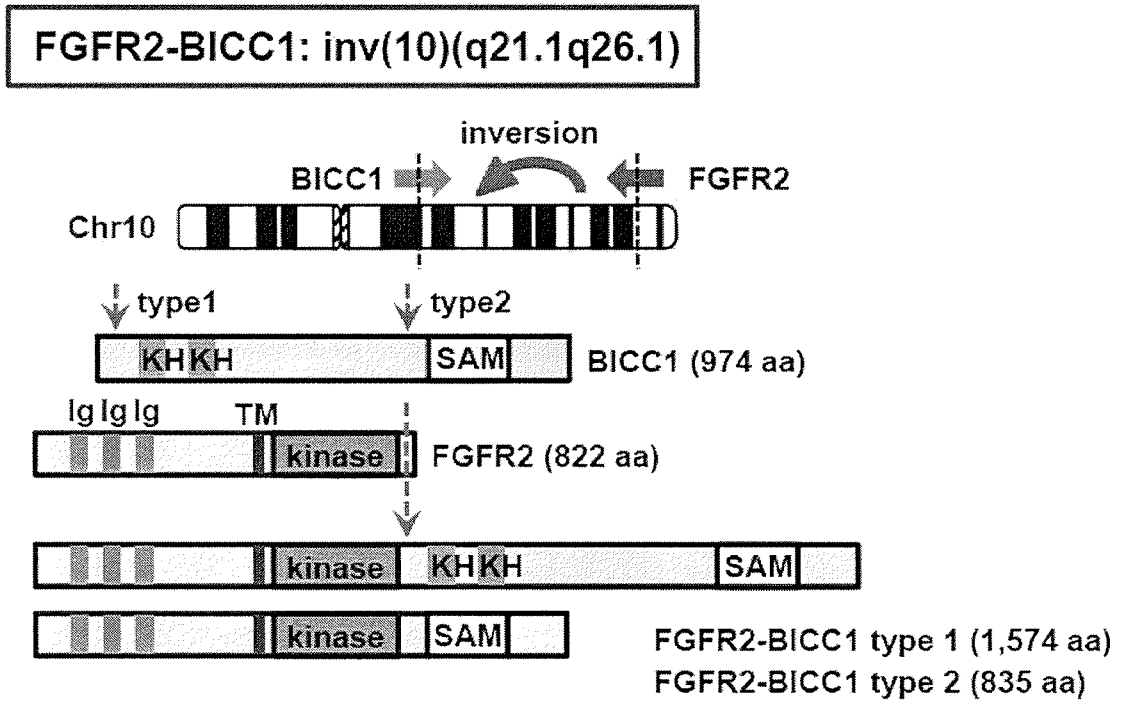
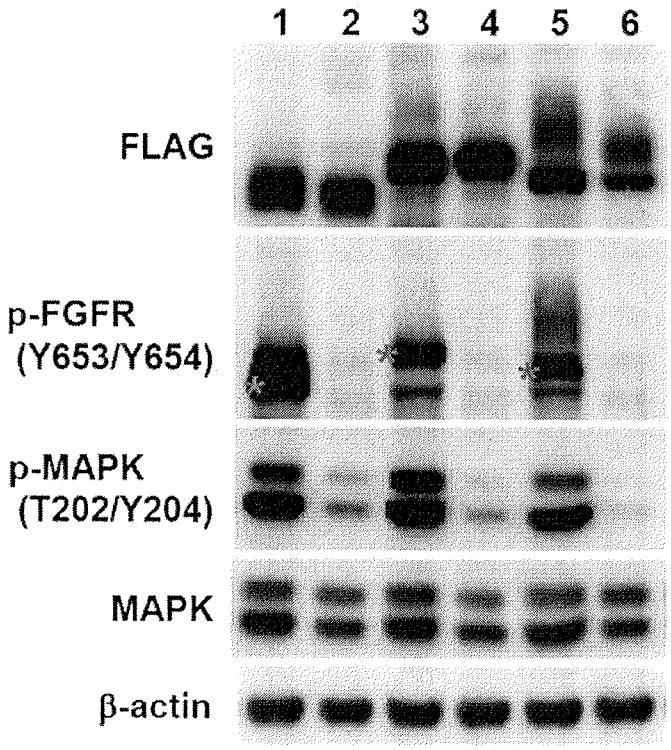

FGFR2-BICC1: inv(10)(q21.1q26.1)
inversion
BICC1
FGFR2
Chr10
type1
type2
KH KH
SAM
BICC1 (974 aa)
Ig Ig Ig
TM
kinase
FGFR2 (822 aa)
kinase
KH KH
SAM
kinase
SAM
FGFR2-BICC1 type 1 (1,574 aa)
FGFR2-BICC1 type 2 (835 aa)

Fig.2



1: FGFR2-BICC1 type2 wild
2: FGFR2-BICC1 type2 KD
3: FGFR2-TXLNA wild
4: FGFR2-TXLNA KD
5: FGFR2-KCTD1 wild
6: FGFR2-KCTD1 KD

Fig.3

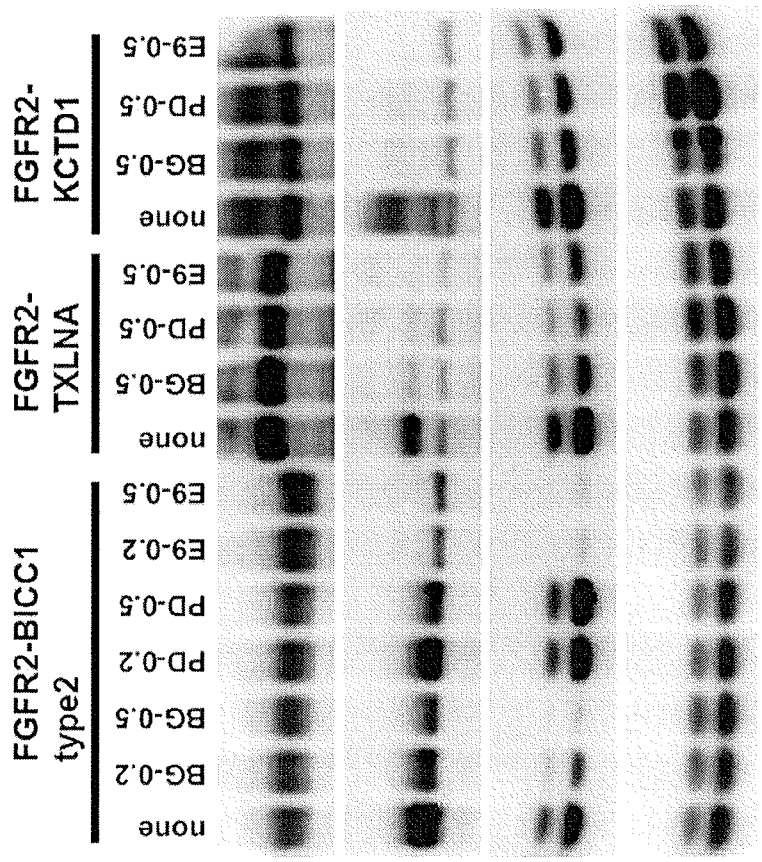

FGFR2-BICC1 type2
none
BG-0.2
BG-0.5
PD-0.2
PD-0.5
E9-0.2
E9-0.5
FGFR2-TXLNA
none
BG-0.5
PD-0.5
E9-0.5
FGFR2-KCTD1
none
BG-0.5
PD-0.5
E9-0.5
FLAG
p-FGFR (Y653/Y654)
p-MAPK (T202/Y204)
MAPK

Fig.4

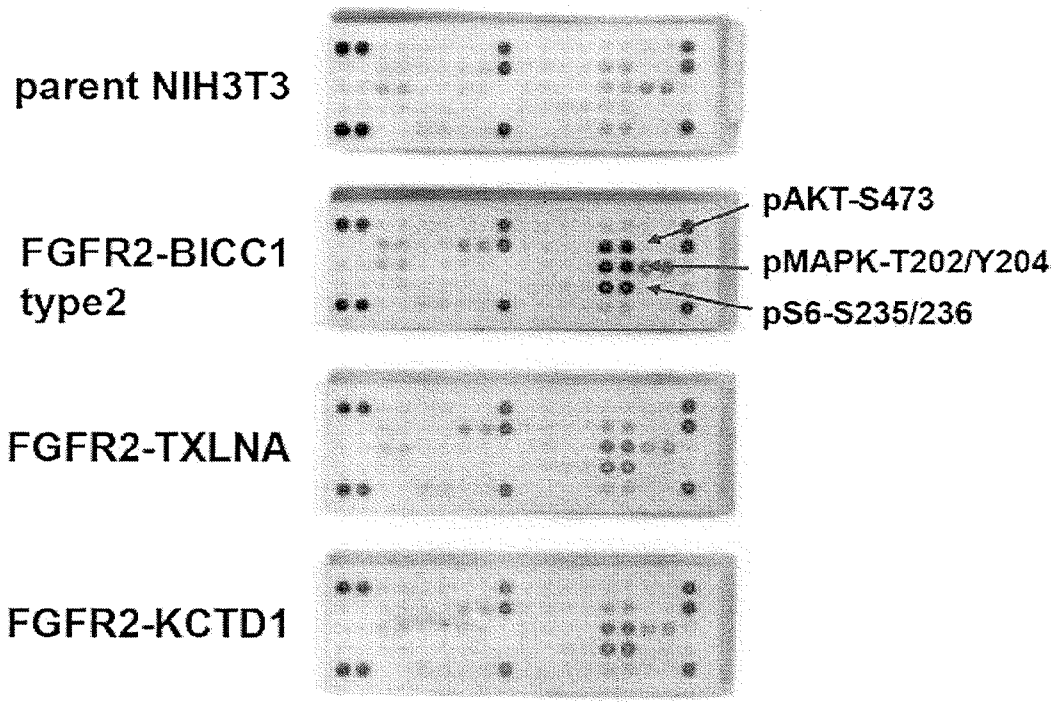
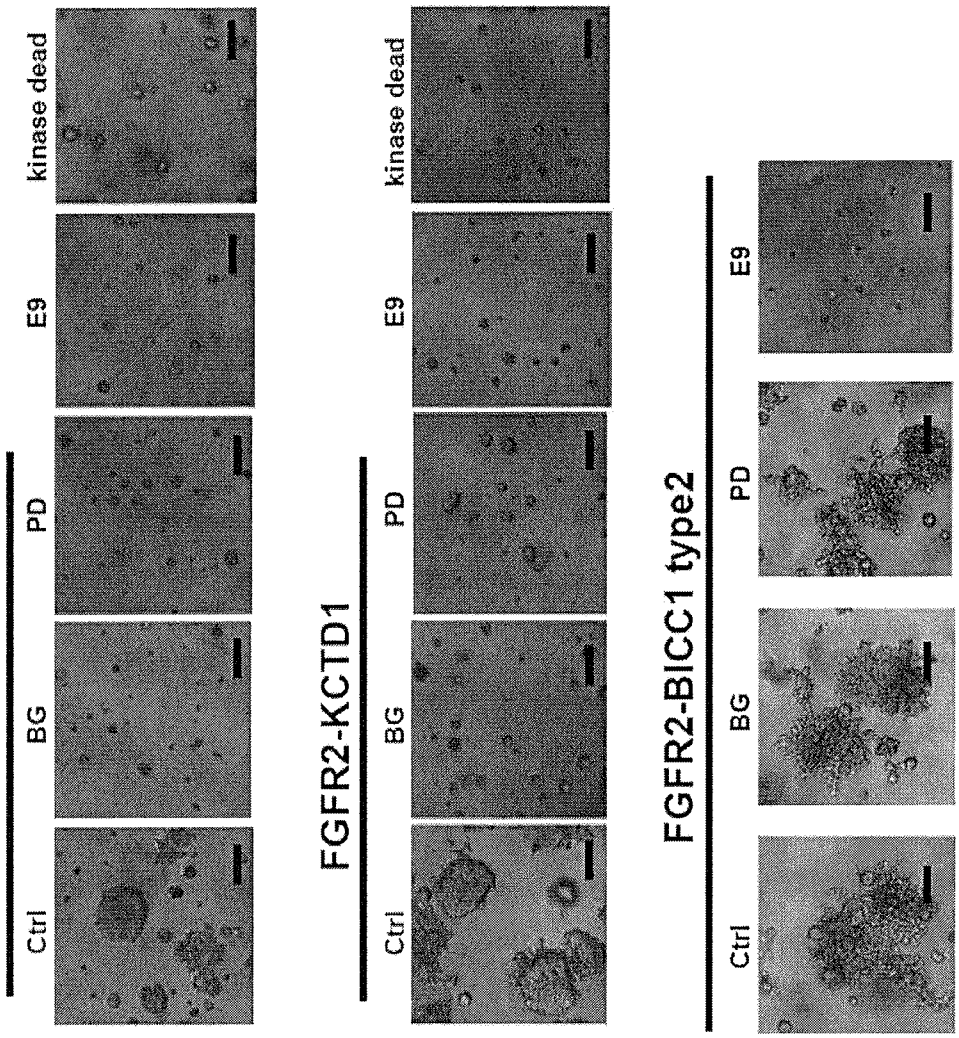

parent NIH3T3
FGFR2-BICC1
type2
FGFR2-TXLNA
FGFR2-KCTD1
pAKT-S473
pMAPK-T202/Y204
pS6-S235/236

Fig.5


FGFR2-TXLNA
Ctrl
BG
PD
E9
kinase dead
FGFR2-KCTD1
Ctrl
BG
PD
E9
kinase dead
FGFR2-BICC1 type2
Ctrl
BG
PD
E9

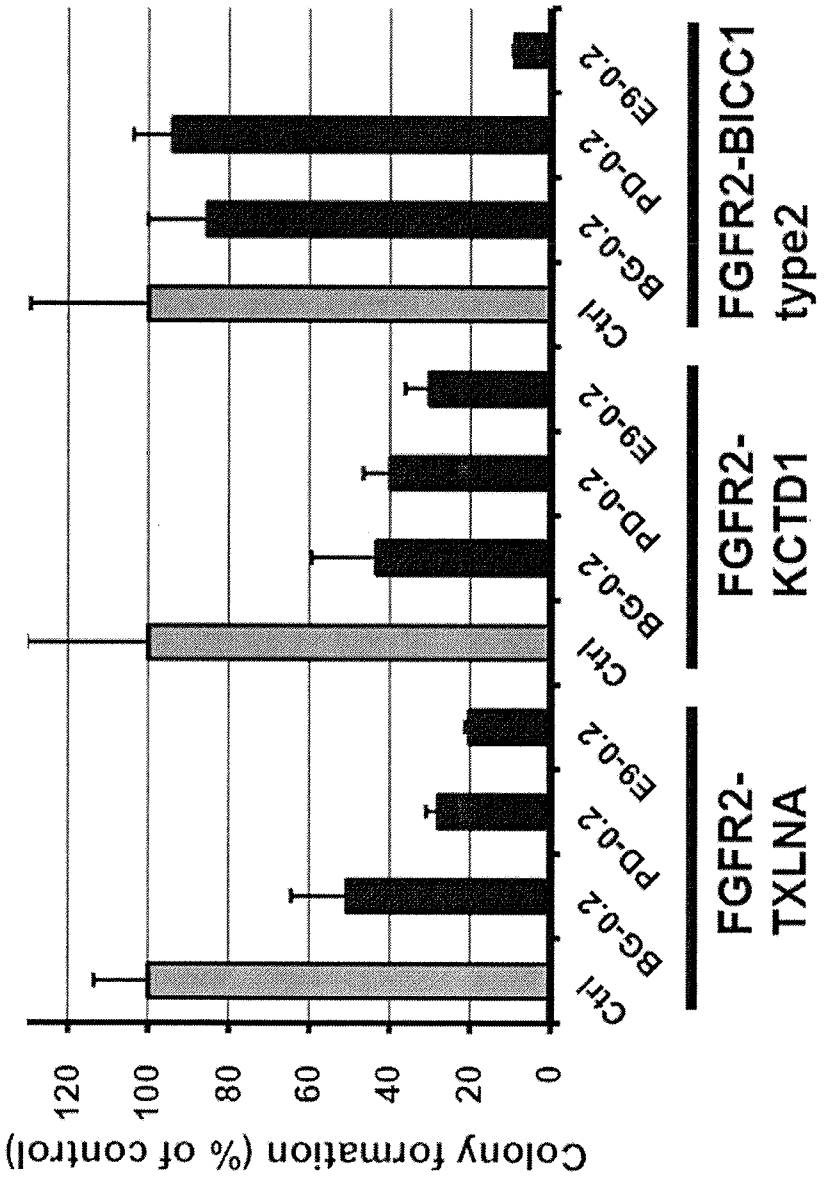
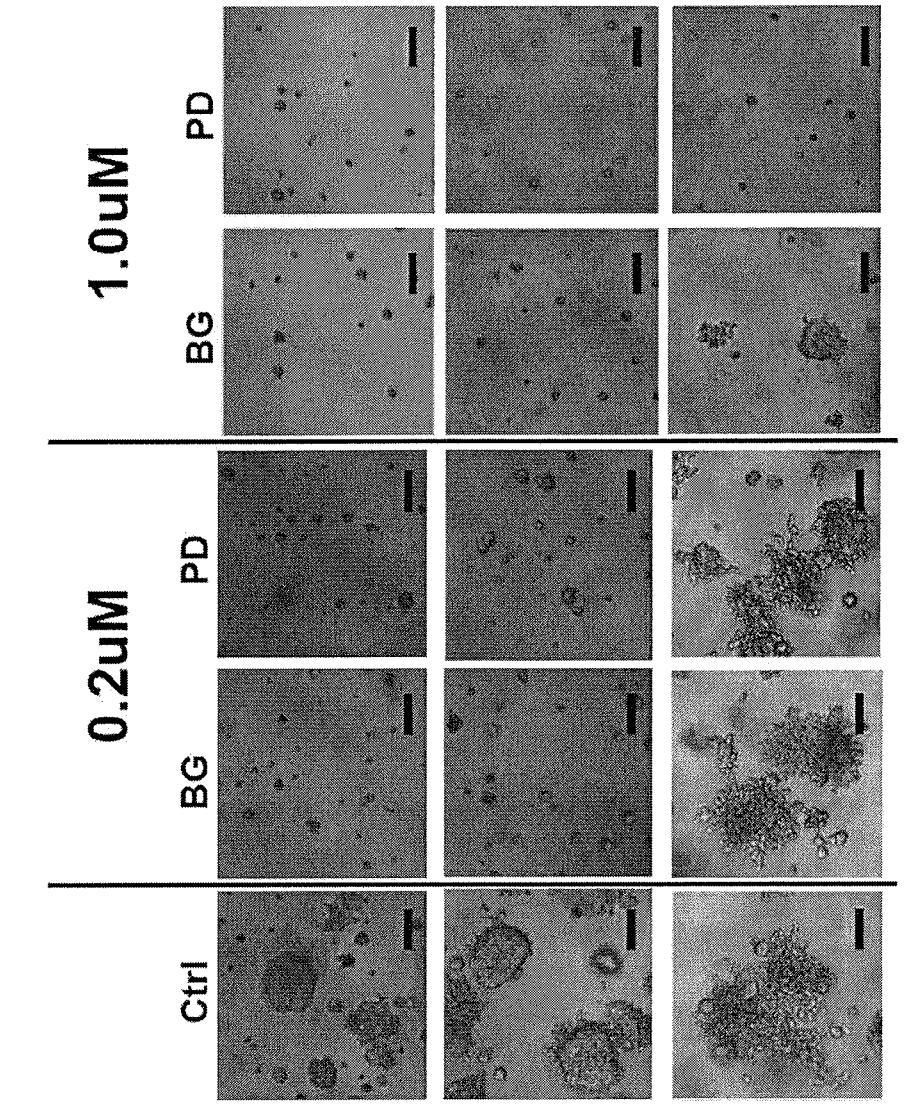

Colony formation (% of control)
120
100
80
60
40
20
0
Ctrl
BG-0.2
PD-0.2
E9-0.2
Ctrl
BG-0.2
PD-0.2
E9-0.2
Ctrl
BG-0.2
PD-0.2
E9-0.2
FGFR2-TXLNA
FGFR2-KCTD1
FGFR2-BICC1 type2

Fig.6

Fig.7


Ctrl
0.2uM
BG
PD
1.0uM
BG
PD
FGFR2-TXLNA
FGFR2-KCTD1
FGFR2-BICC1
type2