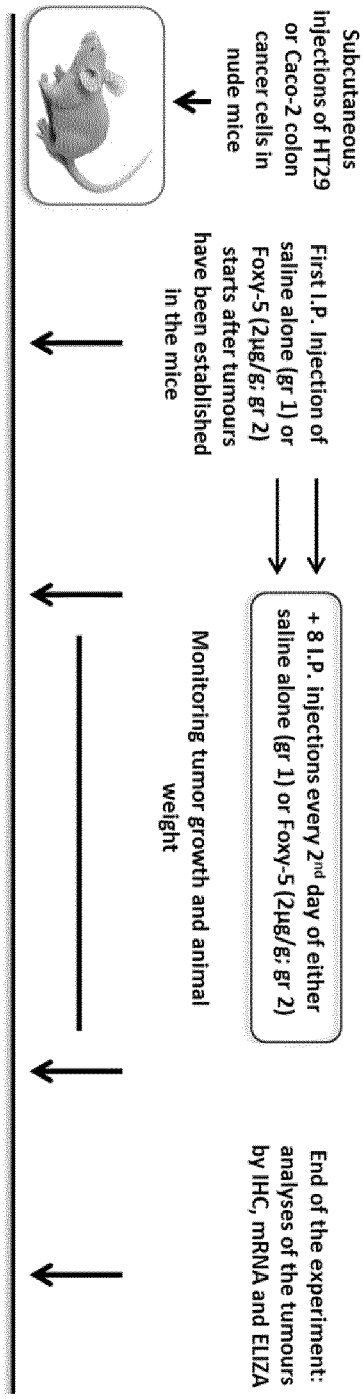

Subcutaneous Injections of HT29 or Caco-2 colon cancer cells in nude mice
First I.P. Injection of saline alone (gr 1) or Foxy-5 (2µg/g; gr 2) starts after tumours have been established in the mice
+ 8 I.P. injections every 2nd day of either saline alone (gr 1) or Foxy-5 (2µg/g; gr 2)
Monitoring tumor growth and animal weight
End of the experiment: analyses of the tumours by IHC, mRNA and ELIZA
DAY 0
Day 7
Day 9
Day 23
Day 24

FIG 1

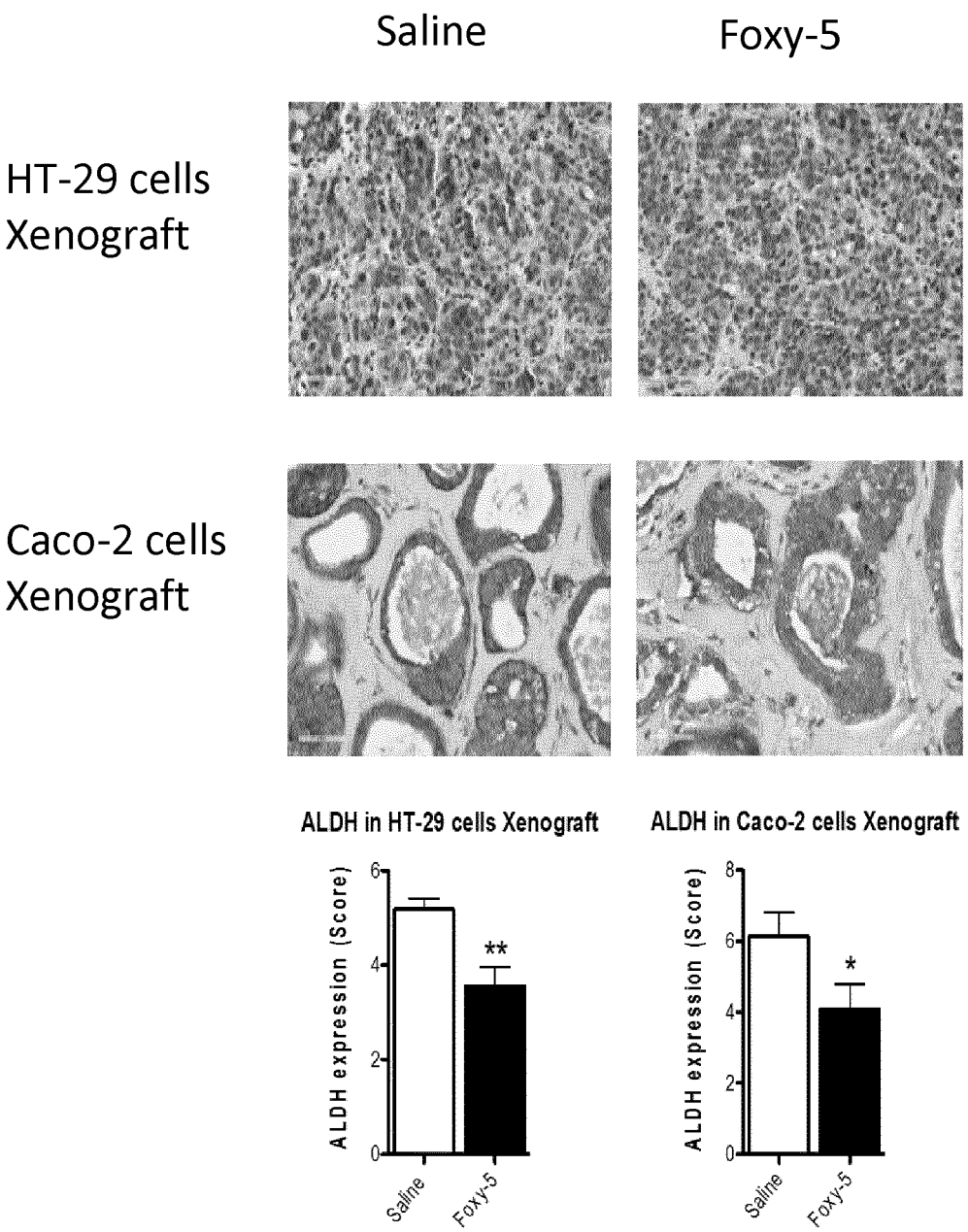

Saline
Foxy-5
HT-29 cells Xenograft
Caco-2 cells Xenograft
ALDH in HT-29 cells Xenograft
ALDH in Caco-2 cells Xenograft
ALDH expression (Score)
ALDH expression (Score)
0
2
4
6
8
**
*
Saline
Foxy-5
Saline
Foxy-5

FIG 2

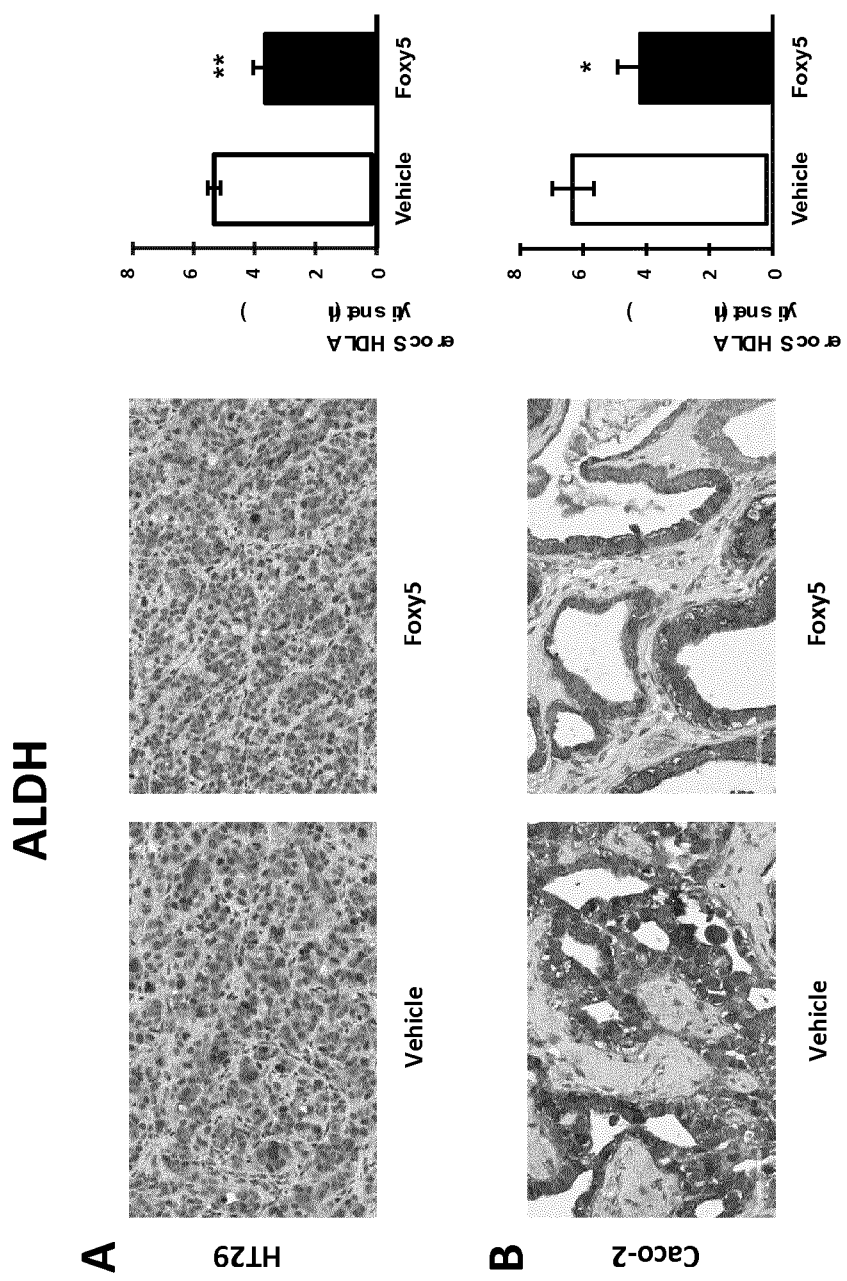

A
HT29
Vehicle
Foxy5
ALDH
B
Caco-2
Vehicle
Foxy5
ALDH
Vehicle
Foxy5
**
Vehicle
Foxy5
*

FIG 2B

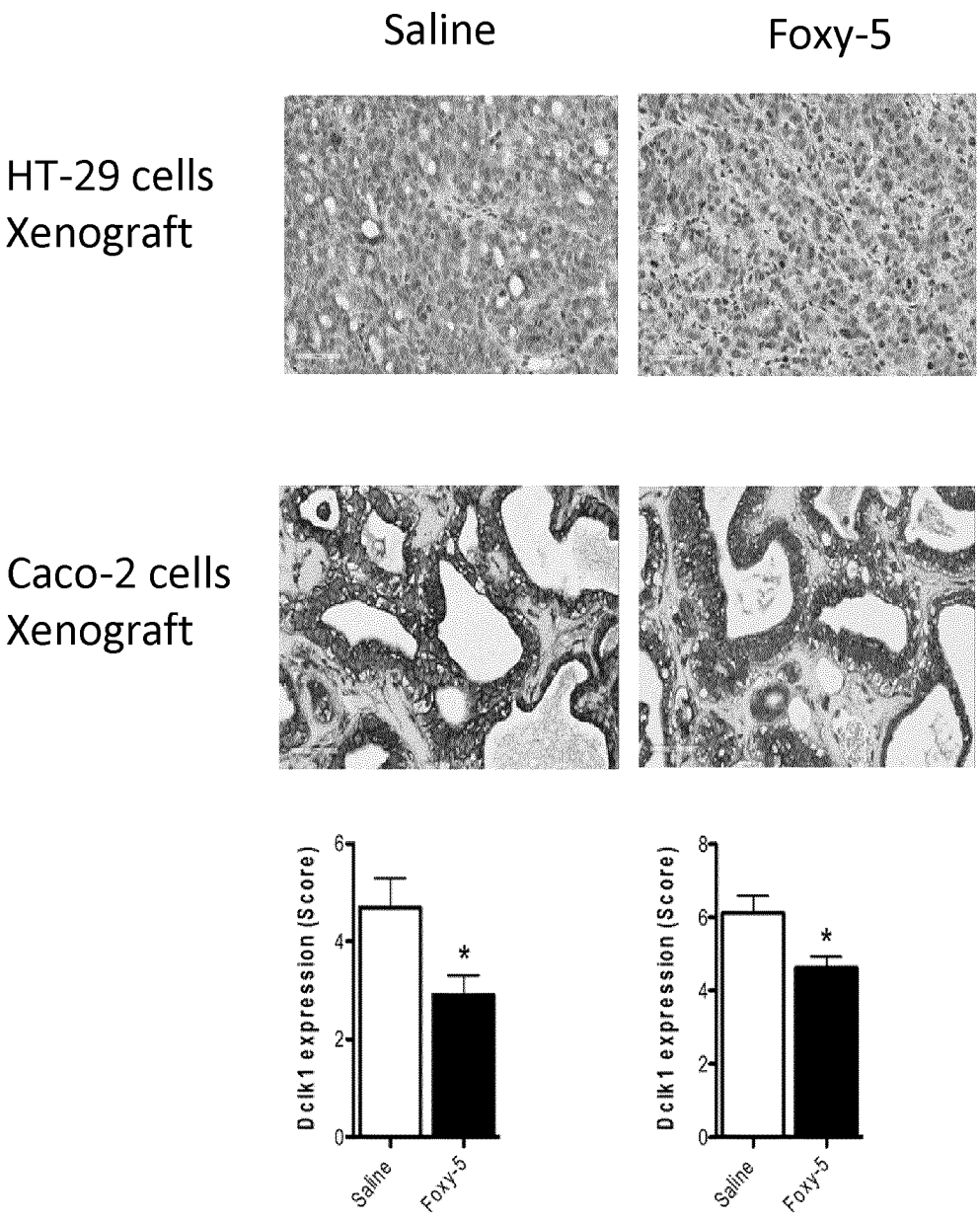

Saline
Foxy-5
HT-29 cells
Xenograft
Caco-2 cells
Xenograft
Dclk1 expression (Score)
0
2
4
6
*
Saline
Foxy-5
Dclk1 expression (Score)
0
2
4
6
8
*
Saline
Foxy-5

FIG 3

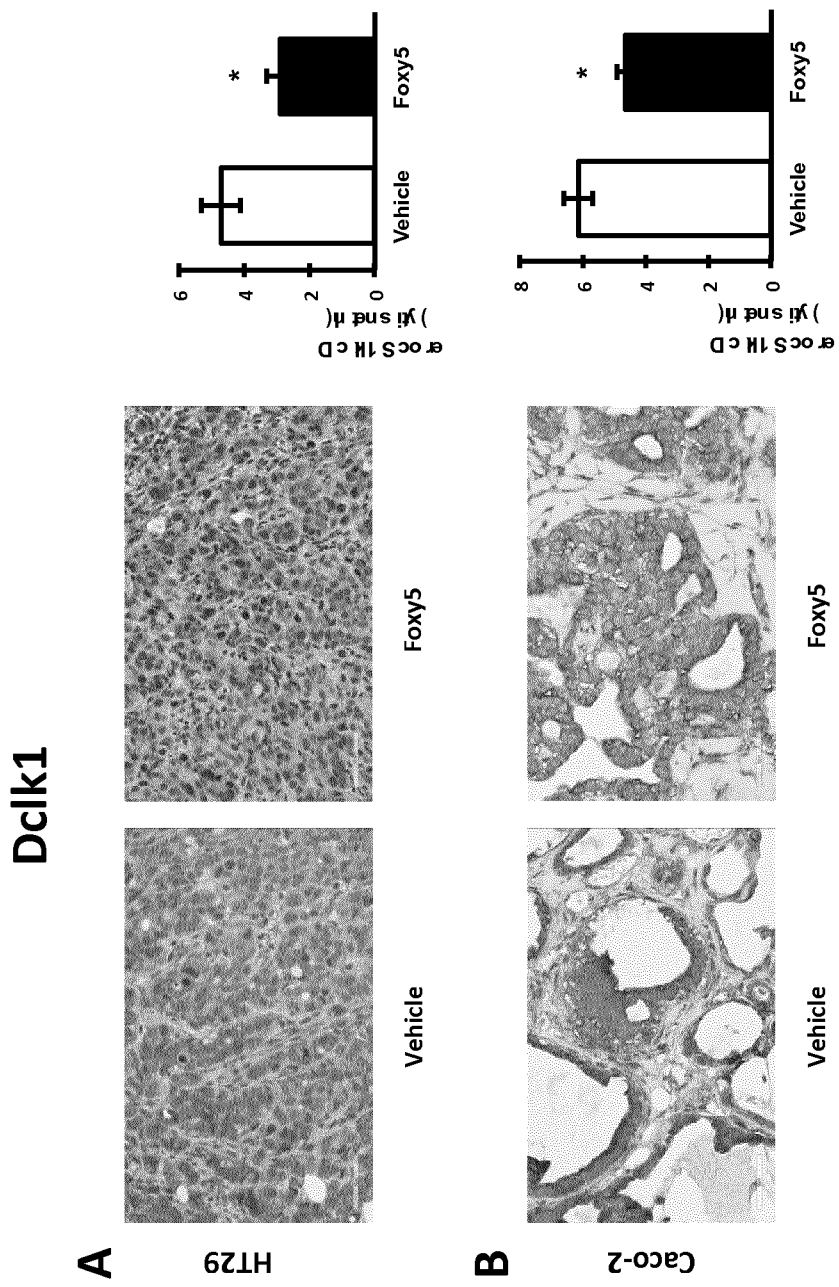

Dclk1
A
HT29
Vehicle
Foxy5
B
Caco-2
Vehicle
Foxy5
Vehicle
Foxy5
*
*

FIG 3B

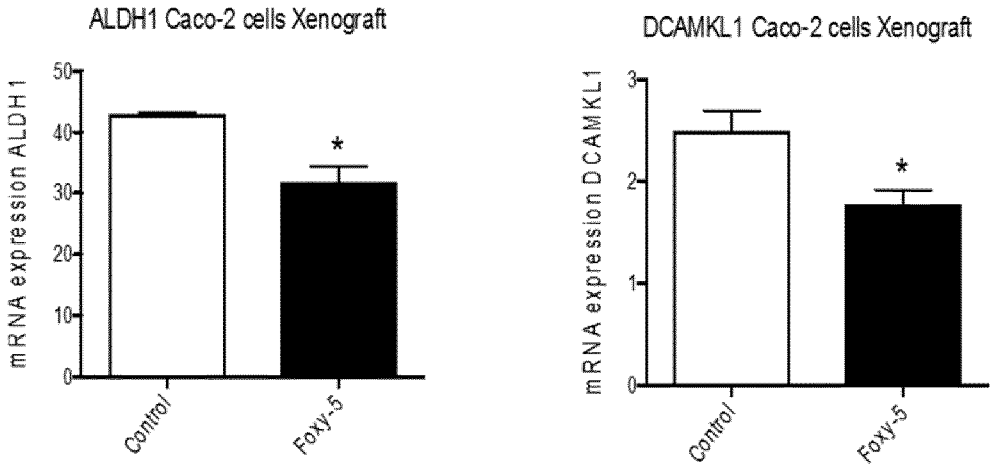

ALDH1 Caco-2 cells Xenograft
mRNA expression ALDH1
50
40
30
20
10
0
*
Control
Foxy-5
DCAMKL1 Caco-2 cells Xenograft
mRNA expression DCAMKL1
3
2
1
0
*
Control
Foxy-5

FIG 4

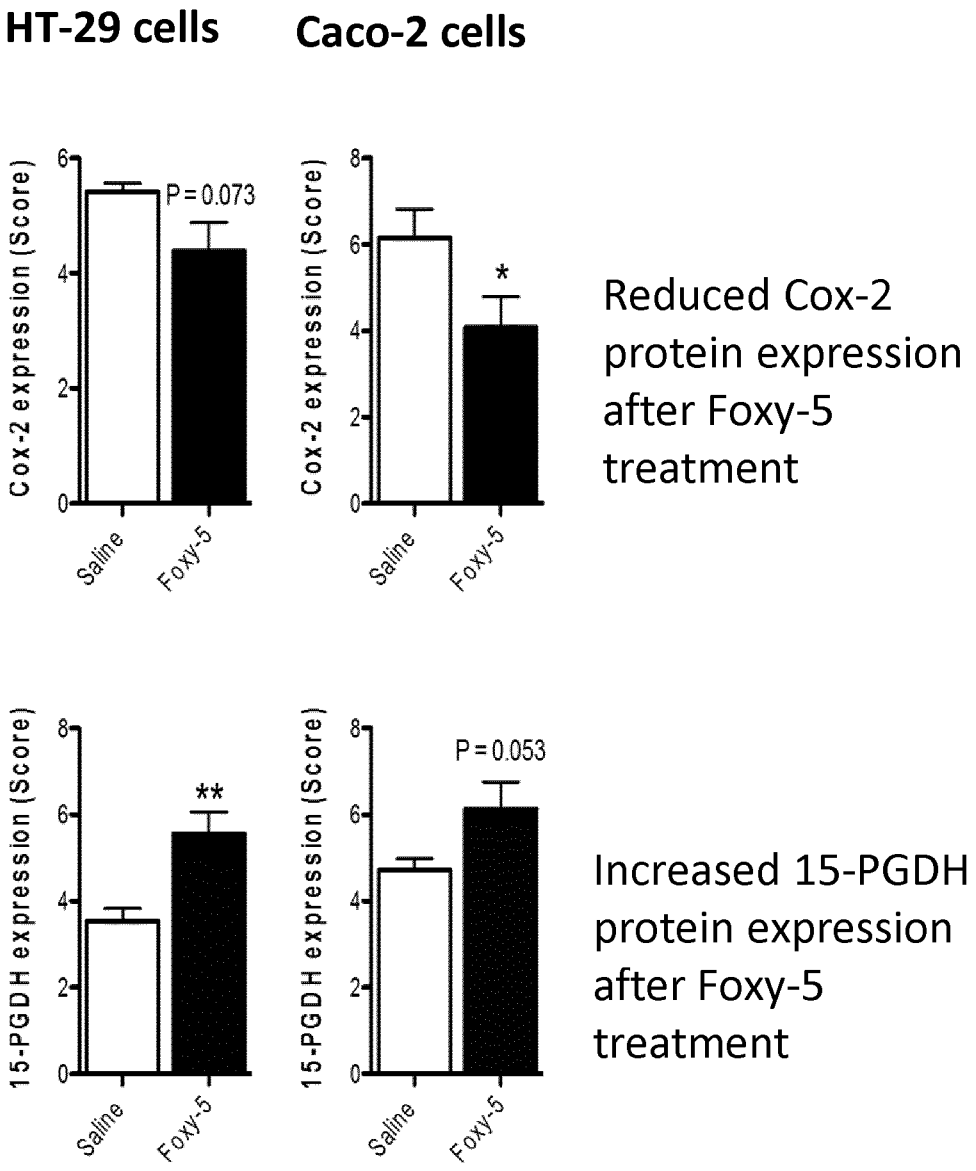

HT-29 cells
Caco-2 cells
Cox-2 expression (Score)
P = 0.073
*
Saline
Foxy-5
Reduced Cox-2 protein expression after Foxy-5 treatment
15-PGDH expression (Score)
**
P = 0.053
Increased 15-PGDH protein expression after Foxy-5 treatment

FIG 5

5B/10

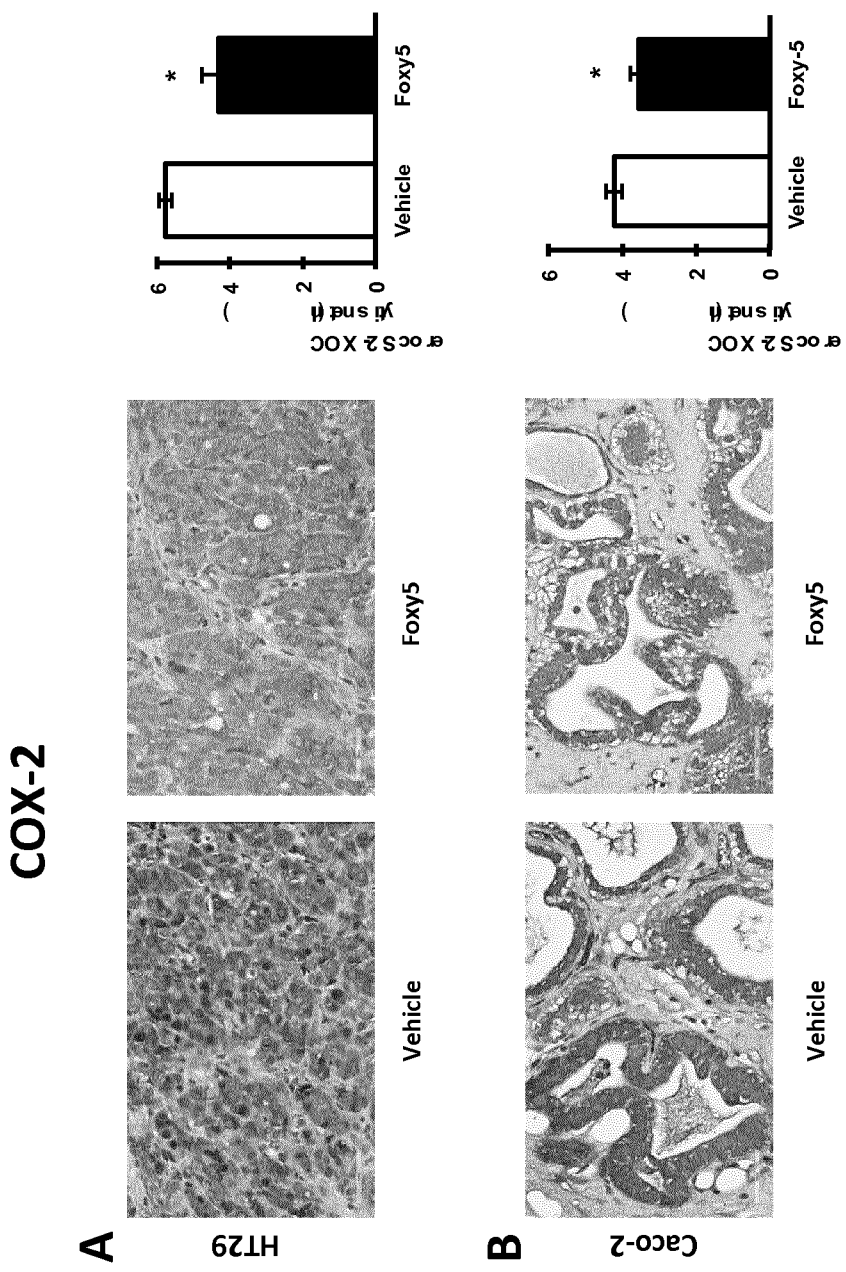

COX-2
A
HT29
Vehicle
Foxy5
B
Caco-2
Vehicle
Foxy5
COX-2 area (µm²)
0
2
4
6
*
Vehicle
Foxy-5
Foxy5

FIG 5B

5C/10

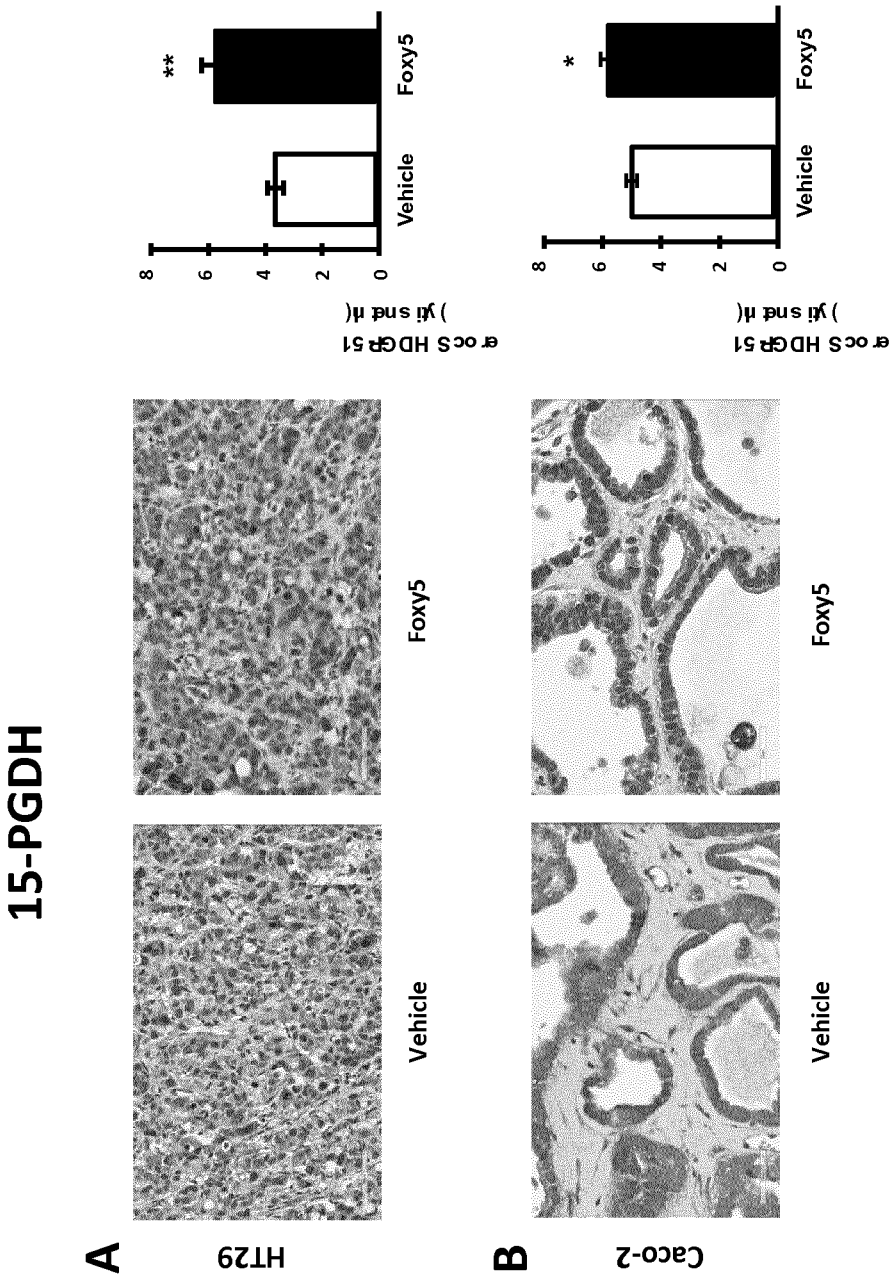

15-PGDH
A
HT29
Vehicle
Foxy5
B
Caco-2
Vehicle
Foxy5
15-PGDH mRNA (fold change)
0
2
4
6
8
*
**
Vehicle
Foxy5

FIG 5C

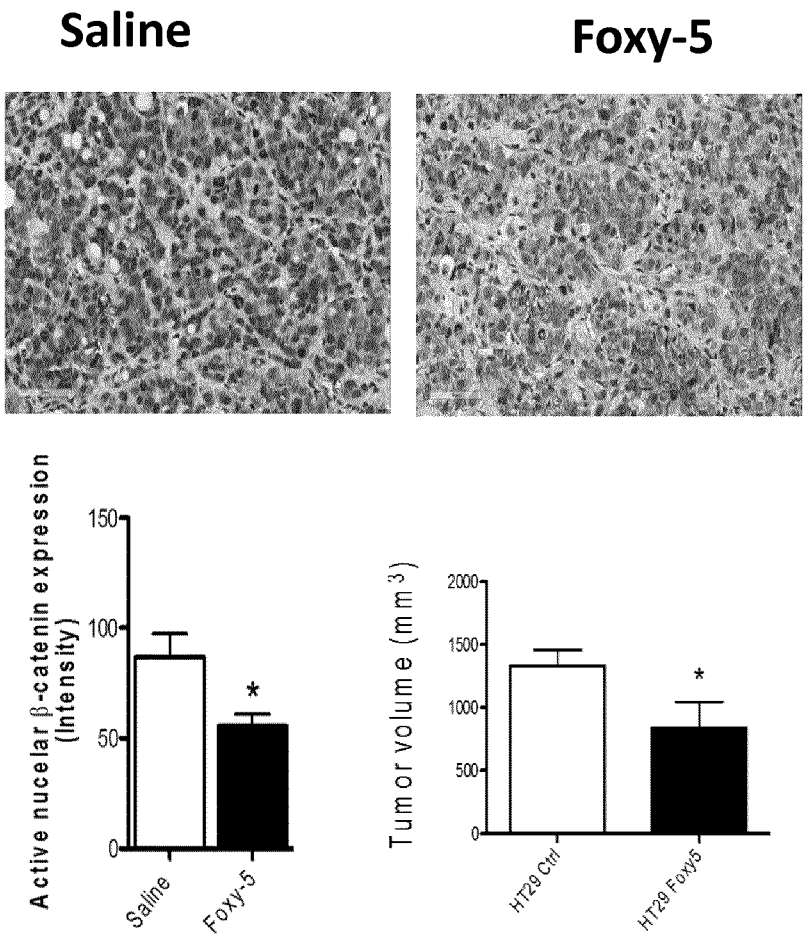

Saline
Foxy-5
Active nucelar β-catenin expression (Intensity)
150
100
50
0
*
Saline
Foxy-5
Tumor volume (mm3)
2000
1500
1000
500
0
*
HT29 Ctrl
HT29 Foxy5

FIG 6

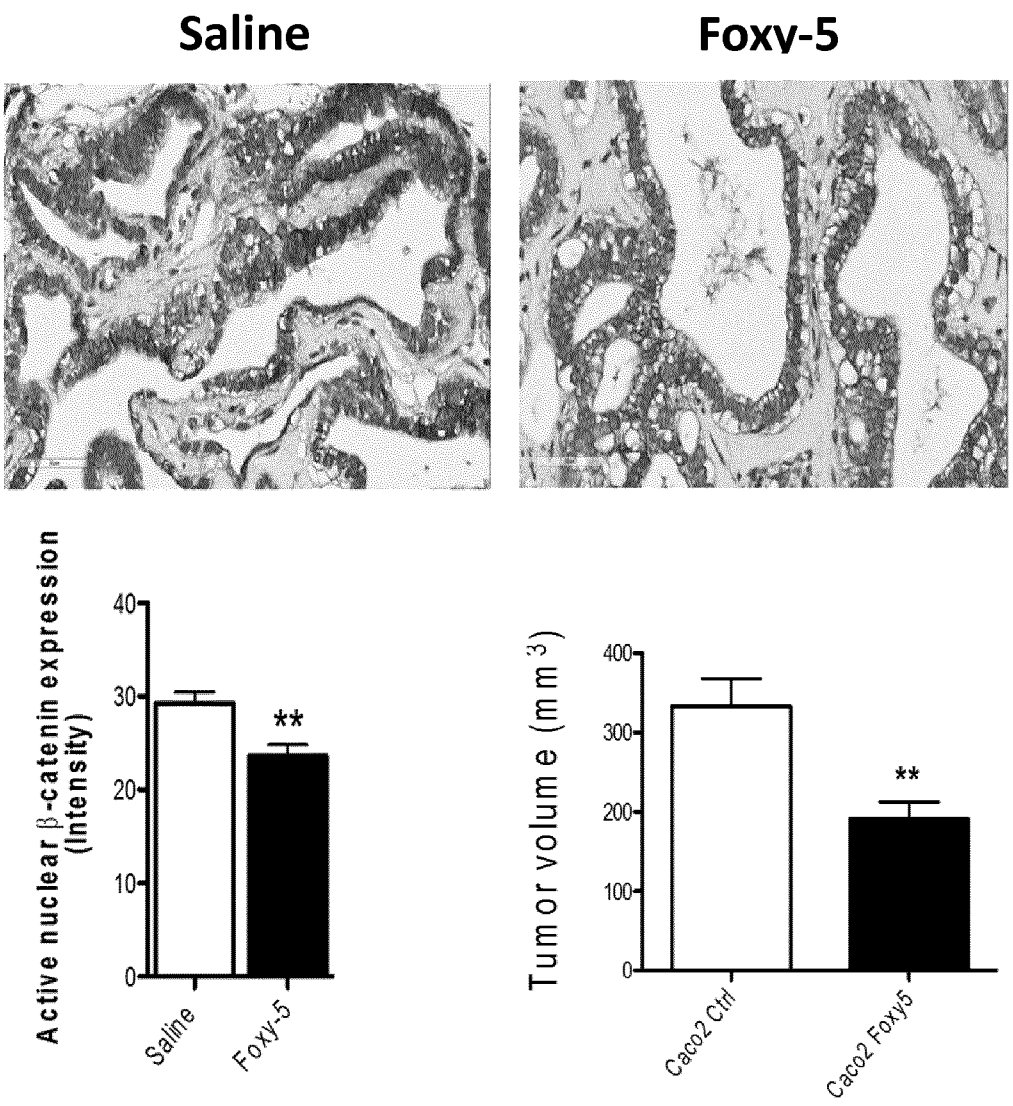

Saline
Foxy-5
Active nuclear β-catenin expression (Intensity)
40
30
20
10
0
**
Saline
Foxy-5
Tumor volume (mm3)
400
300
200
100
0
**
Caco2 Ctrl
Caco2 Foxy5

FIG 7

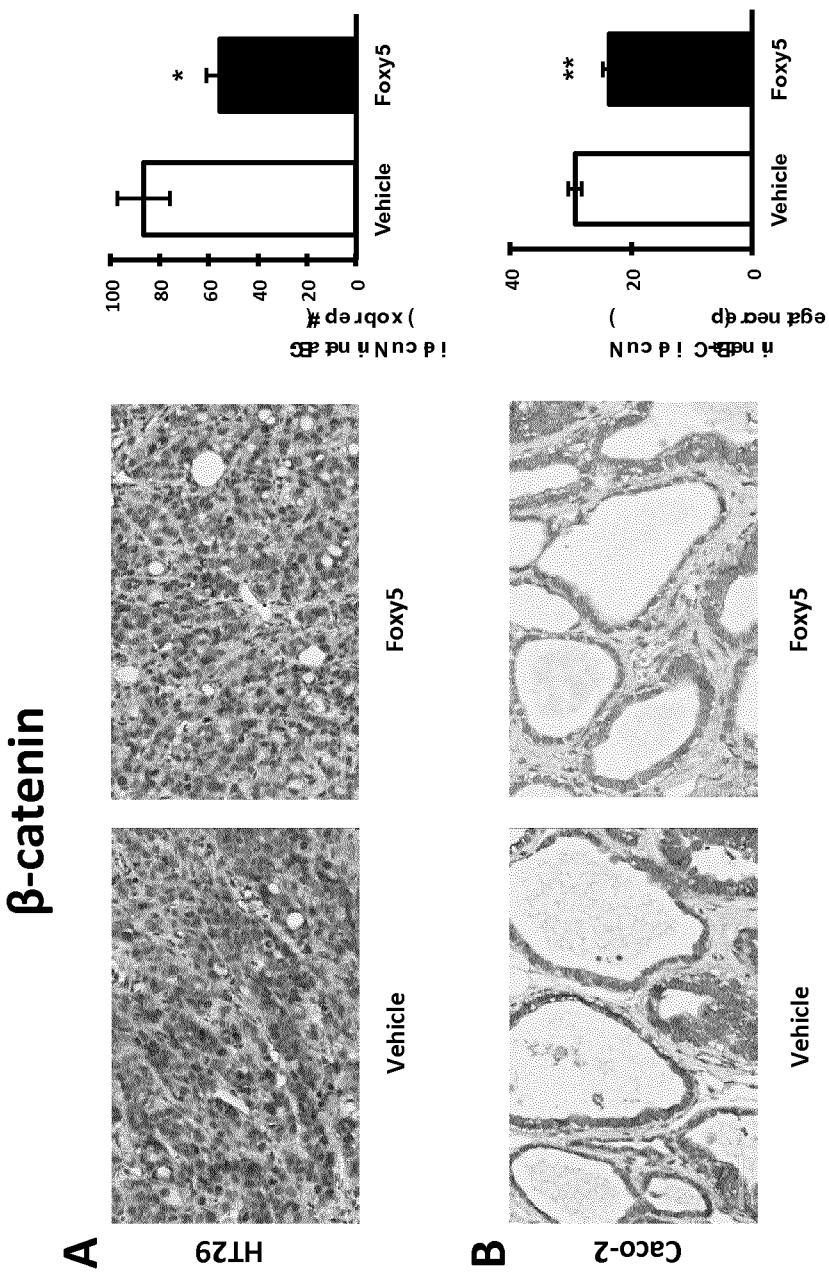

β-catenin
A
HT29
Vehicle
Foxy5
B
Caco-2
Vehicle
Foxy5
Vehicle
Foxy5
**
Vehicle
Foxy5
*

FIG 8

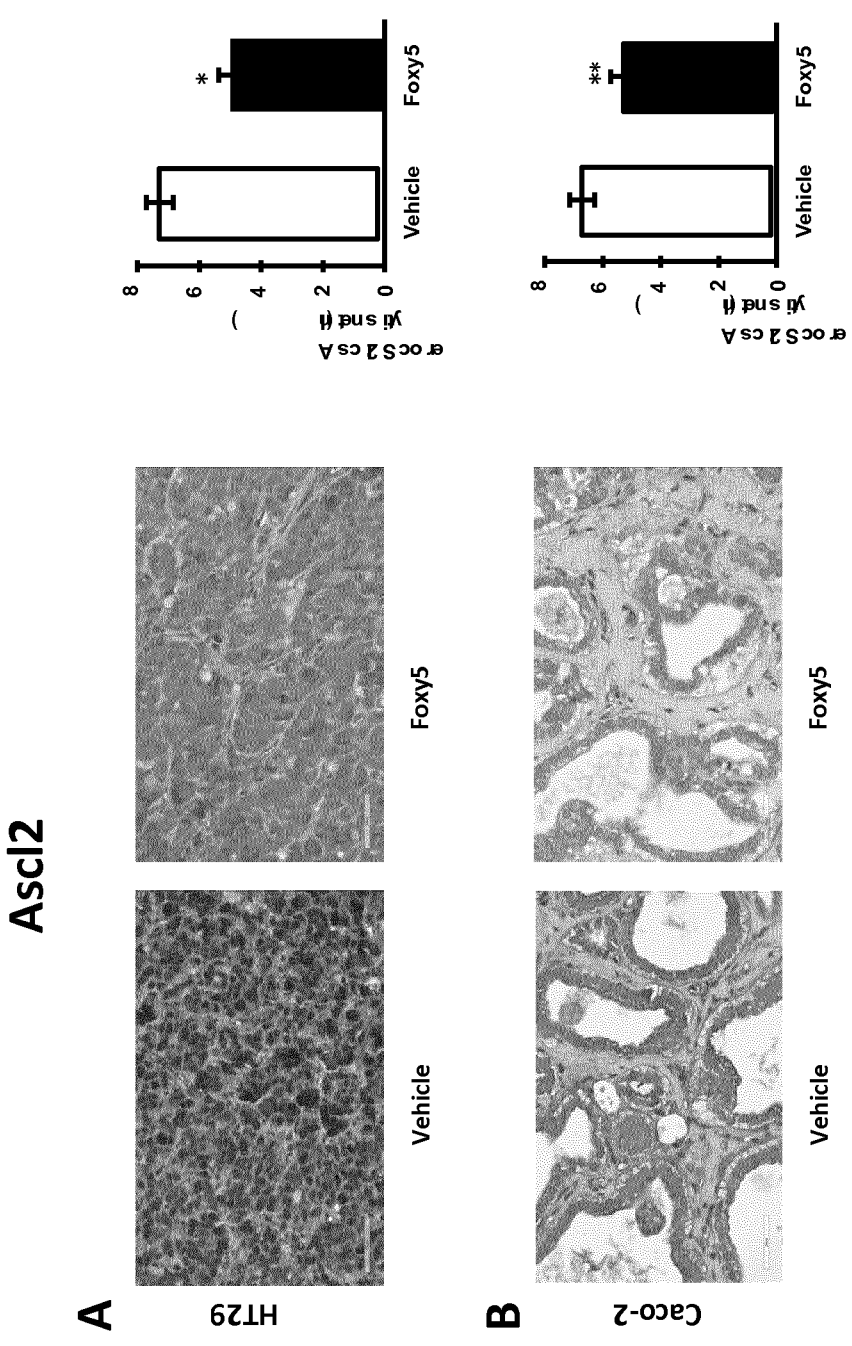

A
HT29
B
Caco-2
Ascl2
Vehicle
Foxy5
Vehicle
Foxy5
Ascl2 mRNA (fold change)
0
2
4
6
8
*
**
Vehicle
Foxy5

FIG 9

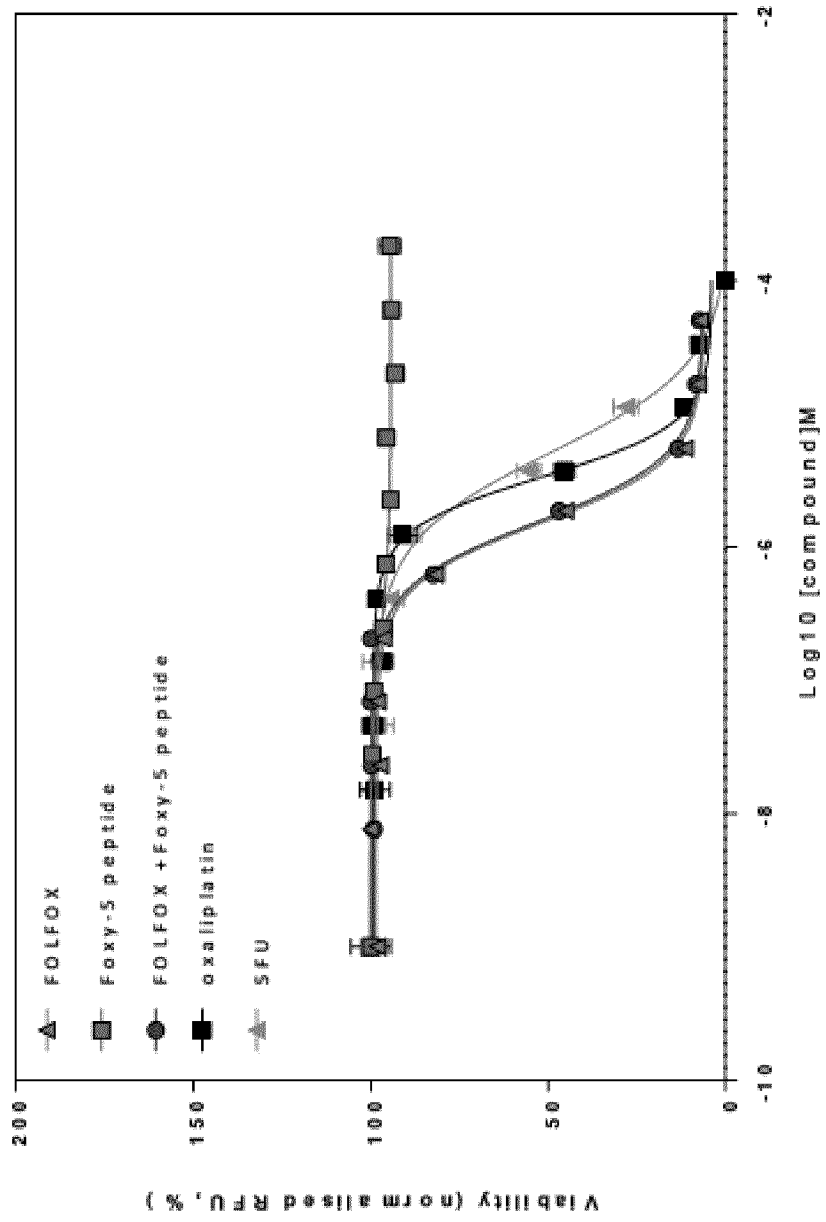

Viability (normalised RFU, %)
200
150
100
50
0
-10
-8
-6
-4
-2
Log10 [compound]M
FOLFOX
Foxy-5 peptide
FOLFOX +Foxy-5 peptide
oxaliplatin
5FU

FIG 10