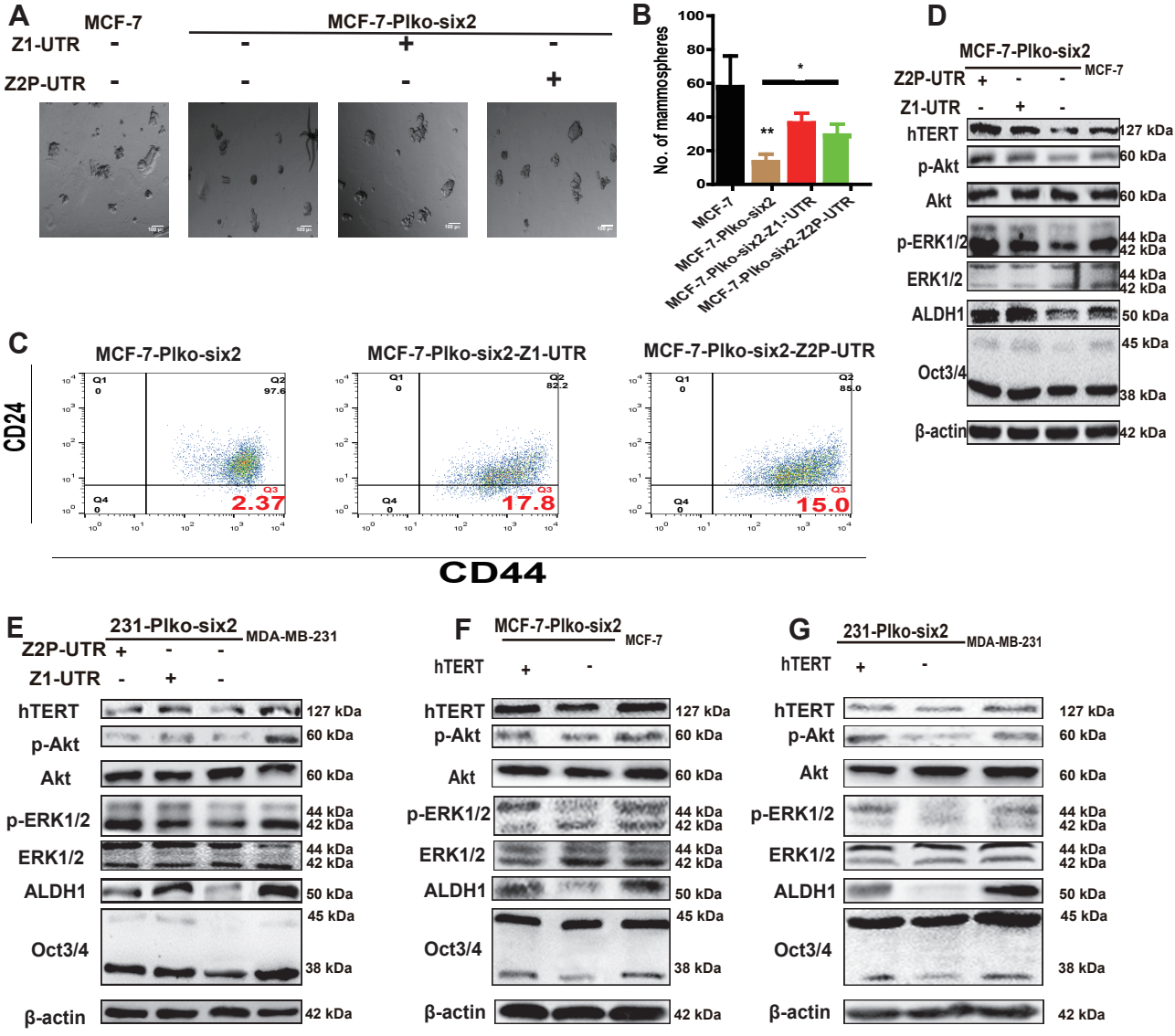
A
MCF-7
MCF-7-Plko-six2
Z1-UTR - - + -
Z2P-UTR - - - +
B
No. of mammospheres
100
80
60
40
20
0
*
**
MCF-7
MCF-7-Plko-six2
MCF-7-Plko-six2-Z1-UTR
MCF-7-Plko-six2-Z2P-UTR
C
CD24
CD44
MCF-7-Plko-six2
MCF-7-Plko-six2-Z1-UTR
MCF-7-Plko-six2-Z2P-UTR
Q1 0
Q2 97.6
Q4 0
Q3 2.37
Q1 0
Q2 82.2
Q4 0
Q3 17.8
Q1 0
Q2 85.0
Q4 0
Q3 15.0
D
MCF-7-Plko-six2
MCF-7
Z2P-UTR + - -
Z1-UTR - + -
hTERT
p-Akt
Akt
p-ERK1/2
ERK1/2
ALDH1
Oct3/4
β-actin
127 kDa
60 kDa
60 kDa
44 kDa
42 kDa
44 kDa
42 kDa
50 kDa
45 kDa
38 kDa
42 kDa
E
231-Plko-six2
MDA-MB-231
Z2P-UTR + - -
Z1-UTR - + -
hTERT
p-Akt
Akt
p-ERK1/2
ERK1/2
ALDH1
Oct3/4
β-actin
127 kDa
60 kDa
60 kDa
44 kDa
42 kDa
44 kDa
42 kDa
50 kDa
45 kDa
38 kDa
42 kDa
F
MCF-7-Plko-six2
MCF-7
hTERT + -
hTERT
p-Akt
Akt
p-ERK1/2
ERK1/2
ALDH1
Oct3/4
β-actin
127 kDa
60 kDa
60 kDa
44 kDa
42 kDa
44 kDa
42 kDa
50 kDa
45 kDa
38 kDa
42 kDa
G
231-Plko-six2
MDA-MB-231
hTERT + -
hTERT
p-Akt
Akt
p-ERK1/2
ERK1/2
ALDH1
Oct3/4
β-actin
127 kDa
60 kDa
60 kDa
44 kDa
42 kDa
44 kDa
42 kDa
50 kDa
45 kDa
38 kDa
42 kDa