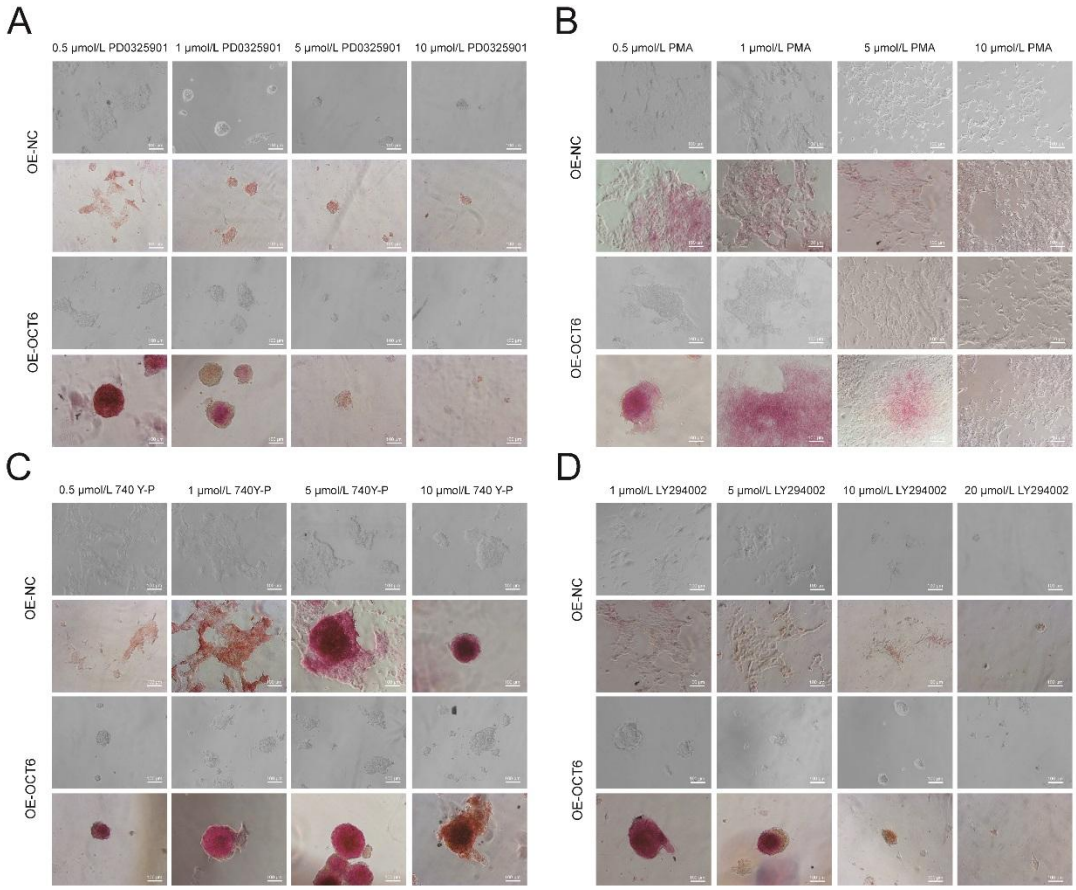
Supplementary Materials



Supplementary Figure S1 Effects of different doses of MAPK/ERK and PI3K signaling pathway activators or inhibitors on OE-OCT6 and OE-NC

A. Representative images of bright field and AP-stained colonies after 5 days of colony growth of OE-NC and OE-OCT6 cell lines; 0.5 μmol/L 740Y-P, 1 μmol/L 740Y-P, 5 μmol/L 740Y-P, and 10 μmol/L 740Y-P represent concentrations of 740Y-P in medium. B. Representative images of bright field and AP-stained colonies after 5 days of colony growth of OE-NC and OE- OCT6 cell lines; 1 μmol/Lol/L LY294002, 5 μmol/Lol/L LY294002, 10 μmol/L LY294002, and 20 μmol/Lol/L LY294002 represent concentrations of LY294002 in medium. *n*=3 independent experiments. Scale bar, 100 μm. C. Representative images of bright field and AP-stained colonies after 5 days of colony growth of OE-NC and OE- OCT6 cell lines; 0.5 μmol/Lol/L PD0325901, 1 μmol/Lol/L PD0325901, 5 μmol/Lol/L PD0325901, and 10 μmol/Lol/L PD0325901 represent concentrations of PD0325901 in medium. *n*=3 independent experiments. Scale bar, 100 μm. D. Representative images of bright field and AP-stained colonies after 5 days of colony growth of OE-NC and OE-OCT6 cell lines; 0.5 μmol/Lol/L PMA, 1 μmol/Lol/L PMA, 5 μmol/Lol/L PMA, and 10 μmol/Lol/L PMA represent concentrations of 12-O-tetradecanoyl phorbol-13-acetate in medium. *n*=3 independent experiments. Scale bar, 100 μm.

Supplementary Table S1 Information on primers used in this experiment

Gene	Forward sequence	Reverse sequence
OCT6-Cl	ATGACGATGACAAGGAATTCATGGCCACC	CTTCCTCTGCCCTCGGATCCCTGCACGGA
one	ACCGCGC	GCCGGGC
EX-*OCT6*	ACAAGGAATTCATGGCCA	CCTCGGATCCCTGCACGG
OCT6	CTTTCTCAAGTGCCCCAAGC	TCCGGGTGCGTAAACGTC
Endo-OC	CTTCACCACCCTGTACTCCTCG	CAGGCTTCTCTCCCTAGCTCAC
T4		
Endo-SO	ATGTCCCAGCACTACCAGAGCG	CTTACTCTCCTCCCATTTCCCTCT
X2		
OSKM	TCGGACCACCTTGCCTTACAC	CAACGCCCAAAGGAAATCCAG
LIN28A	GAAGTCTGCTAAGGGCTTGGAATC	TGTCTCCCTTGGATCTGCGTTT
PAX5	ATTACCCGACTCCTCGGACC	GCCTGACACCTTGATGAGCA
SIX6	AACTGGTTCAAAAACCGCCG	GTGATGGAGATGGCCGAAGT
SOX3	CCGAGACAACGCATCAGGT	CCACGGTGAAAAGGCCTGAG
NACN	CCAGCATCCACTCACCTGAA	TCATATTGCAGCCCCGTGTT
NNAT	CGGATACTTAAGGCGCAGCTA	TGATGAGCAGTTCAGCCGAG
L1CAM	GCTGTCGCCTTATGTCCACT	GTCCACAGGGTTCTTCTCCG
CLU	CCAGAGCTCCCCCTTCTACT	CCAGAGCTCCCCCTTCTACT
COL5A1	GGACGGTGAATACTGGGTGG	AAGTGATTCTGGCCCCTTCG
DUSP5	CATCAAGCAGAGGAGGAGTGTG	GTAGGGAATGTGCAGTAGGAACC
DUSP8	GTTCCCATCAACGACAACTACTG	AGGACATGCCCATTGTCTTCA
DUSP10	TTGAGGAAGCTCACCAGTGTG	GAAGTTCAGGTTCGGGGAAATAAT
FGFR3	GTACACAAGGTCTCCCGCTT	CTCGAGCTCCGAAACGTTGG
RRAS	GTTTCAACGAGGTGGGCAAG	GCTTCGGATCTGGGAACCTG
TEX	ATCTCAAGCACCAGCAGACC	TTTGGAAGGCTTGGGCCATT
PDGFB	GGCTGGACACCGGAGAATAC	ACTCGGCATGGAATTGTGGT
PTPRR	GTACACTTCATGGCCGGATCA	CGTCCACAACTCCTTCCTCTCT
COL2A1	AGTGGTGGTGGTTATGATTTTGGATA	CATGTGCGAGCTGGGTTCTT
ITGB4	GCCCTTCTGAGTGTCAGCTT	GCAGTAGGCACAGTCCTTGT
LPAR1	ATCCGTGGCCAACTTACTGG	ATGACCACGATCACCACCAC
MAGI1	GAACTCCCTGAACACGGTGA	ATGCATTGCCGAAAGTCGTG
MAGI2	TAGGCAACAAGTGCCACCAA	TAGGCTGTCCAGGCTCATCT
PPP2R3A	ATAGACCGGCGTTTTGAGCA	CACAGGGATGTGCAAGAGGT
GNB5	AGATGATGCTACGTGTCGCC	AACAGGATGGAGACTCGGGA