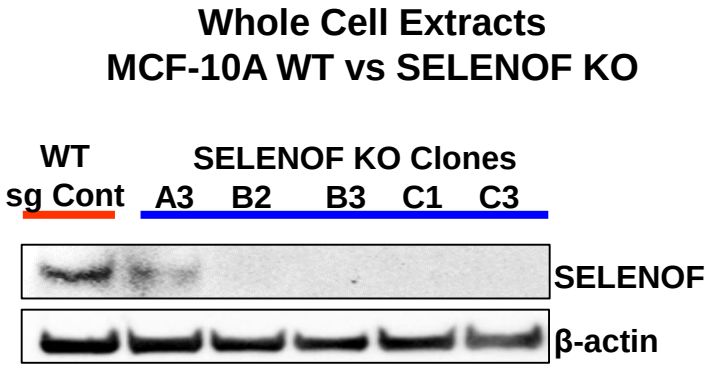
Figure S1.

A.


Whole Cell Extracts
MCF-10A WT vs SELENOF KO
WT
sg Cont
SELENOF KO Clones
A3
B2
B3
C1
C3
SELENOF
β-actin

B.

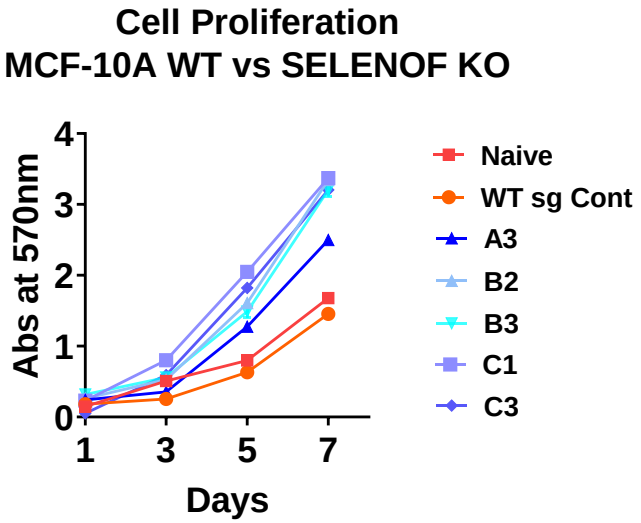
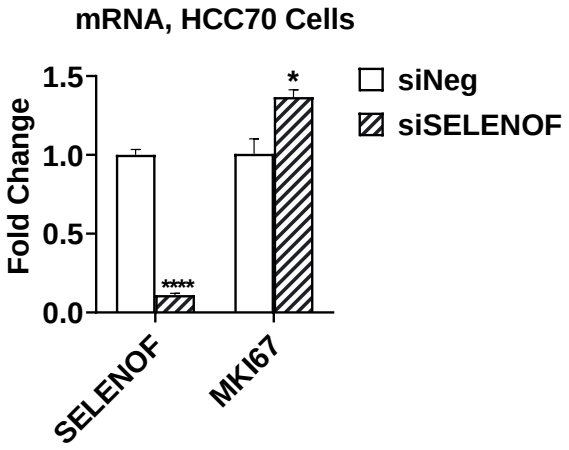

Cell Proliferation
MCF-10A WT vs SELENOF KO
Abs at 570nm
0
1
2
3
4
1
3
5
7
Days
Naive
WT sg Cont
A3
B2
B3
C1
C3

Figure S2.

A.


mRNA, HCC70 Cells
Fold Change
1.5
1.0
0.5
0.0
****
*
siNeg
siSELENOF
SELENOF
MKI67

B.

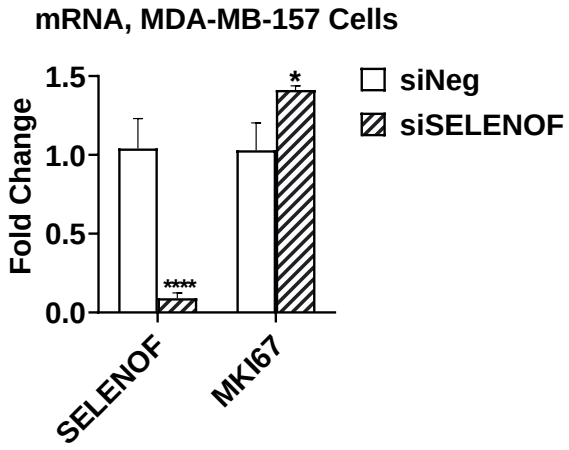

mRNA, MDA-MB-157 Cells
Fold Change
1.5
1.0
0.5
0.0
****
*
siNeg
siSELENOF
SELENOF
MKI67

Figure S3.

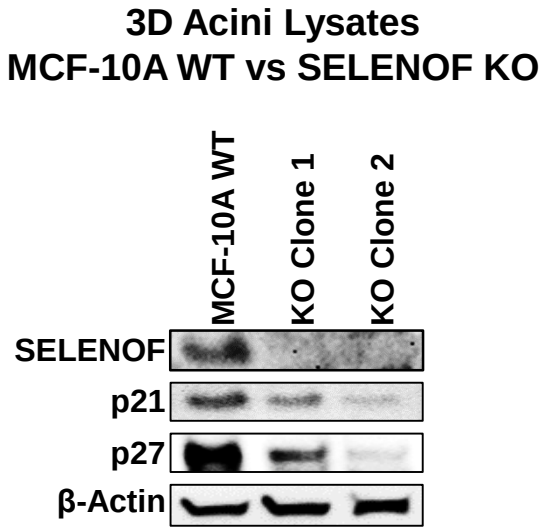

3D Acini Lysates
MCF-10A WT vs SELENOF KO
MCF-10A WT
KO Clone 1
KO Clone 2
SELENOF
p21
p27
β-Actin

Figure S4.

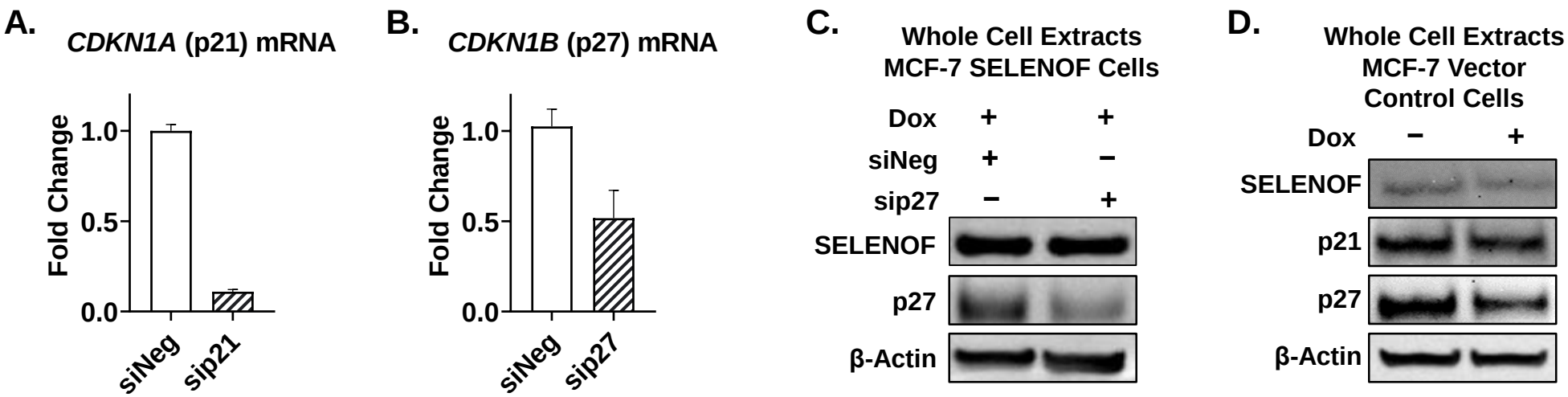

A.
CDKN1A (p21) mRNA
Fold Change
1.0
0.5
0.0
siNeg
sip21
B.
CDKN1B (p27) mRNA
Fold Change
1.0
0.5
0.0
siNeg
sip27
C.
Whole Cell Extracts
MCF-7 SELENOF Cells
Dox + +
siNeg + −
sip27 − +
SELENOF
p27
β-Actin
D.
Whole Cell Extracts
MCF-7 Vector
Control Cells
Dox − +
SELENOF
p21
p27
β-Actin

Figure S5.

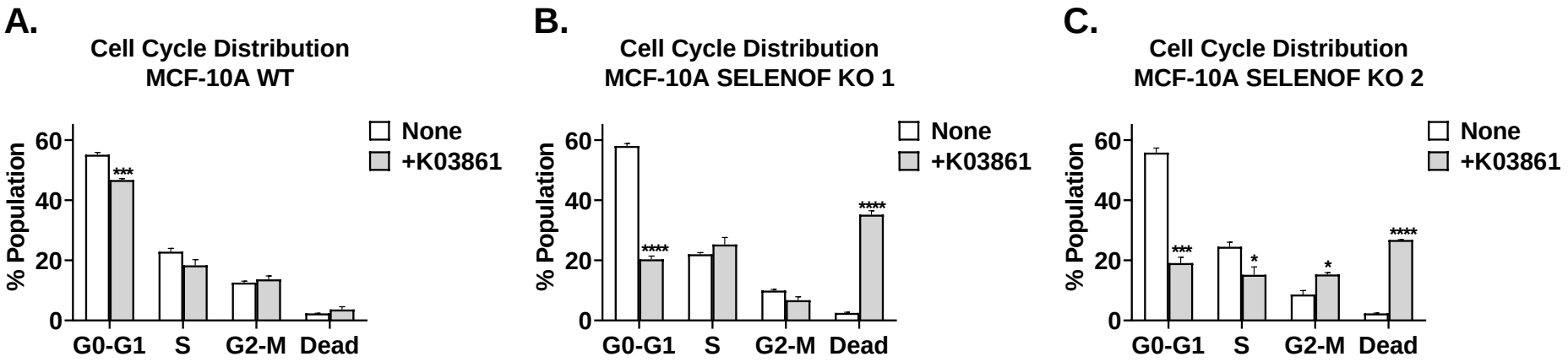

A.
Cell Cycle Distribution
MCF-10A WT
% Population
60
40
20
0
None
+K03861
***
G0-G1
S
G2-M
Dead
B.
Cell Cycle Distribution
MCF-10A SELENOF KO 1
% Population
60
40
20
0
None
+K03861
****
****
G0-G1
S
G2-M
Dead
C.
Cell Cycle Distribution
MCF-10A SELENOF KO 2
% Population
60
40
20
0
None
+K03861
***
*
*
****
G0-G1
S
G2-M
Dead

Figure S6.

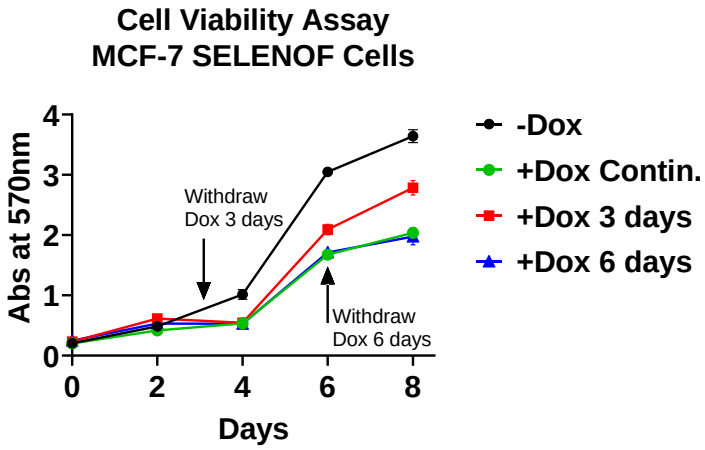
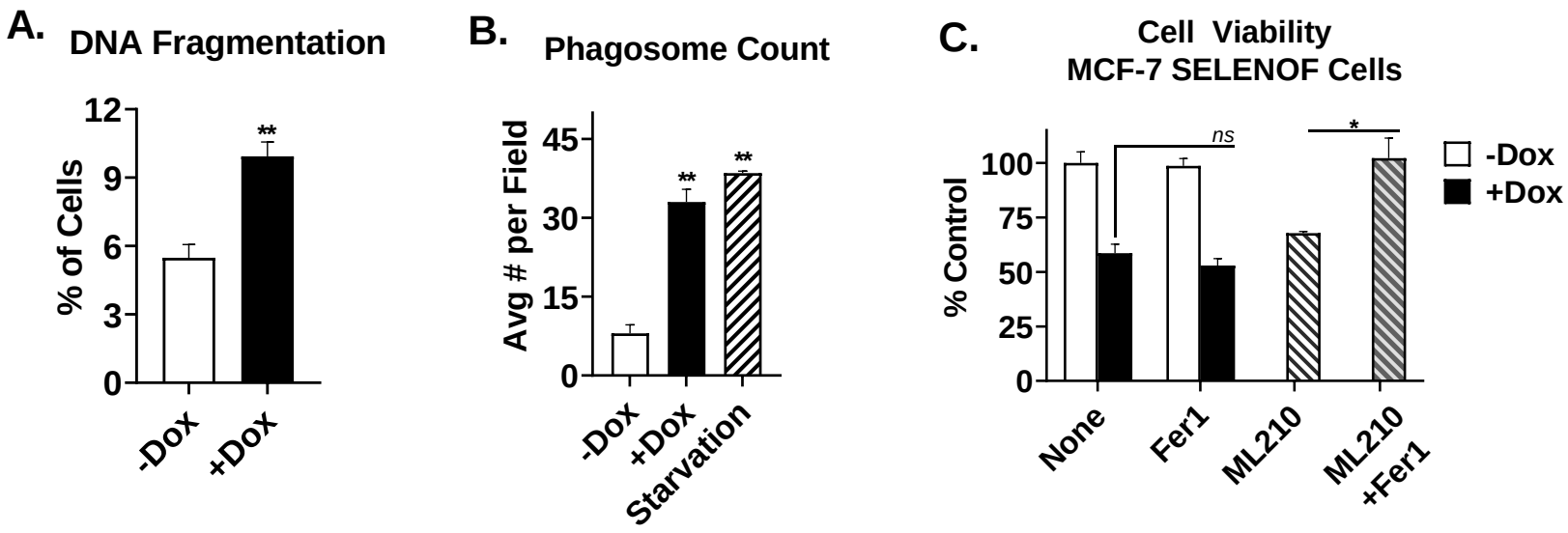

Cell Viability Assay
MCF-7 SELENOF Cells
Abs at 570nm
Days
Withdraw
Dox 3 days
Withdraw
Dox 6 days
-Dox
+Dox Contin.
+Dox 3 days
+Dox 6 days

Figure S7.


A.
DNA Fragmentation
% of Cells
12
9
6
3
0
**
-Dox
+Dox
B.
Phagosome Count
Avg # per Field
45
30
15
0
**
**
-Dox
+Dox
Starvation
C.
Cell Viability
MCF-7 SELENOF Cells
% Control
100
75
50
25
0
ns
*
None
Fer1
ML210
ML210
+Fer1
-Dox
+Dox