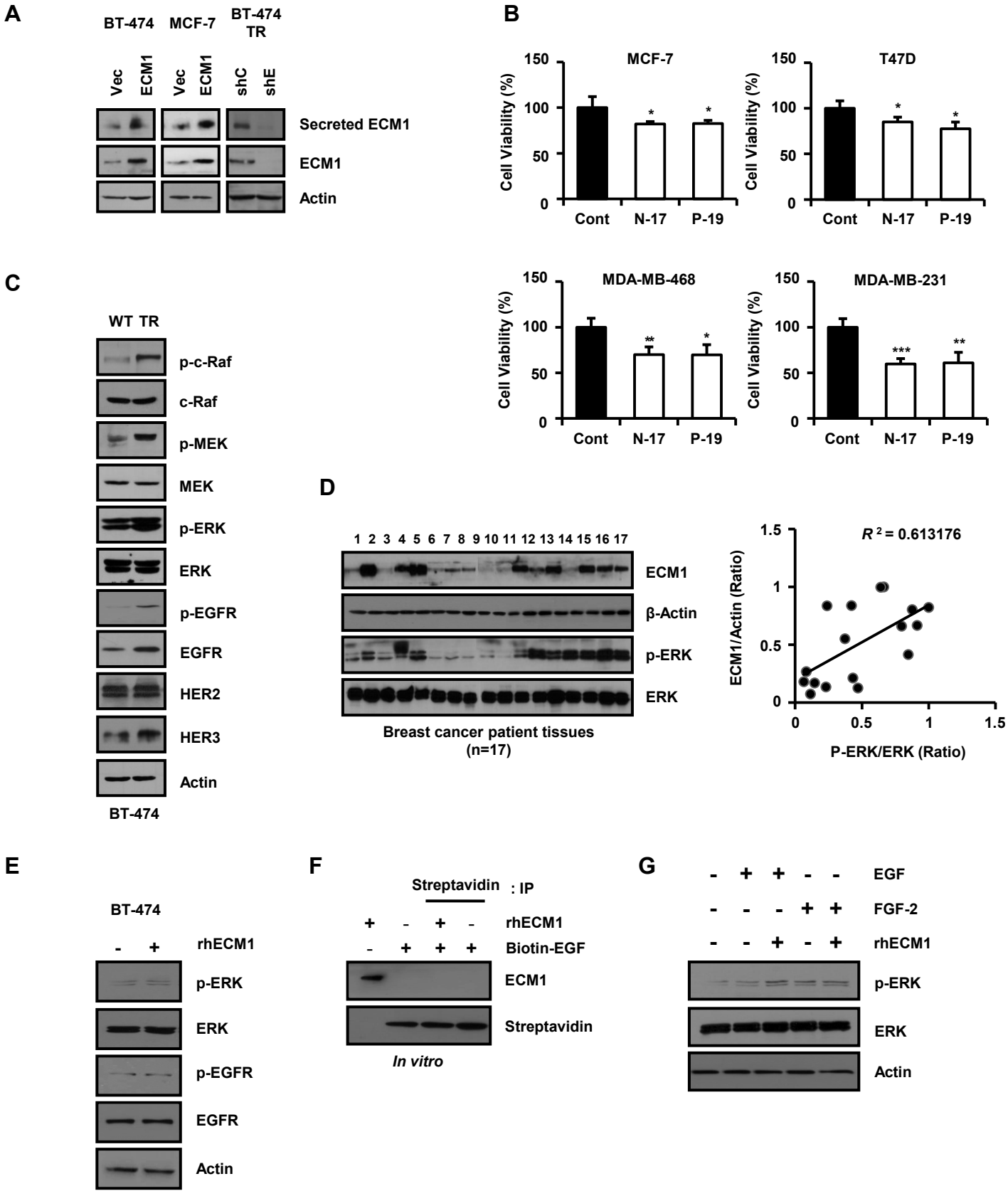
Figure S2


A
BT-474
MCF-7
BT-474 TR
Vec
ECM1
Vec
ECM1
shC
shE
Secreted ECM1
ECM1
Actin
B
MCF-7
T47D
MDA-MB-468
MDA-MB-231
Cell Viability (%)
150
100
50
0
Cont
N-17
P-19
C
WT TR
p-c-Raf
c-Raf
p-MEK
MEK
p-ERK
ERK
p-EGFR
EGFR
HER2
HER3
Actin
BT-474
D
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
ECM1
β-Actin
p-ERK
ERK
Breast cancer patient tissues
(n=17)
R 2 = 0.613176
ECM1/Actin (Ratio)
P-ERK/ERK (Ratio)
1.5
1
0.5
0
E
BT-474
rhECM1
p-ERK
ERK
p-EGFR
EGFR
Actin
F
Streptavidin : IP
rhECM1
Biotin-EGF
ECM1
Streptavidin
In vitro
G
EGF
FGF-2
rhECM1
p-ERK
ERK
Actin