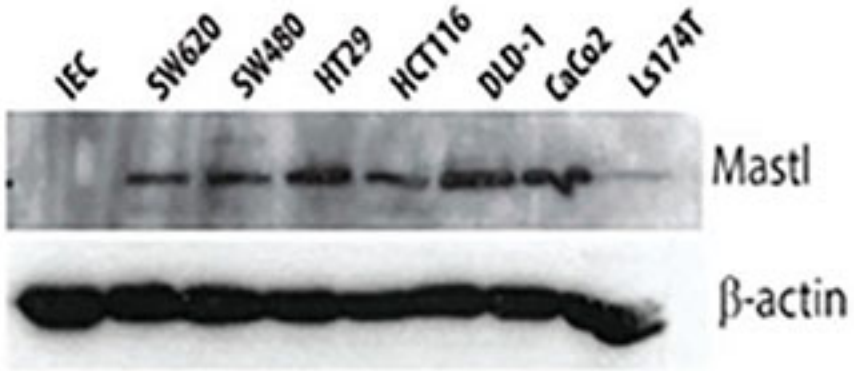
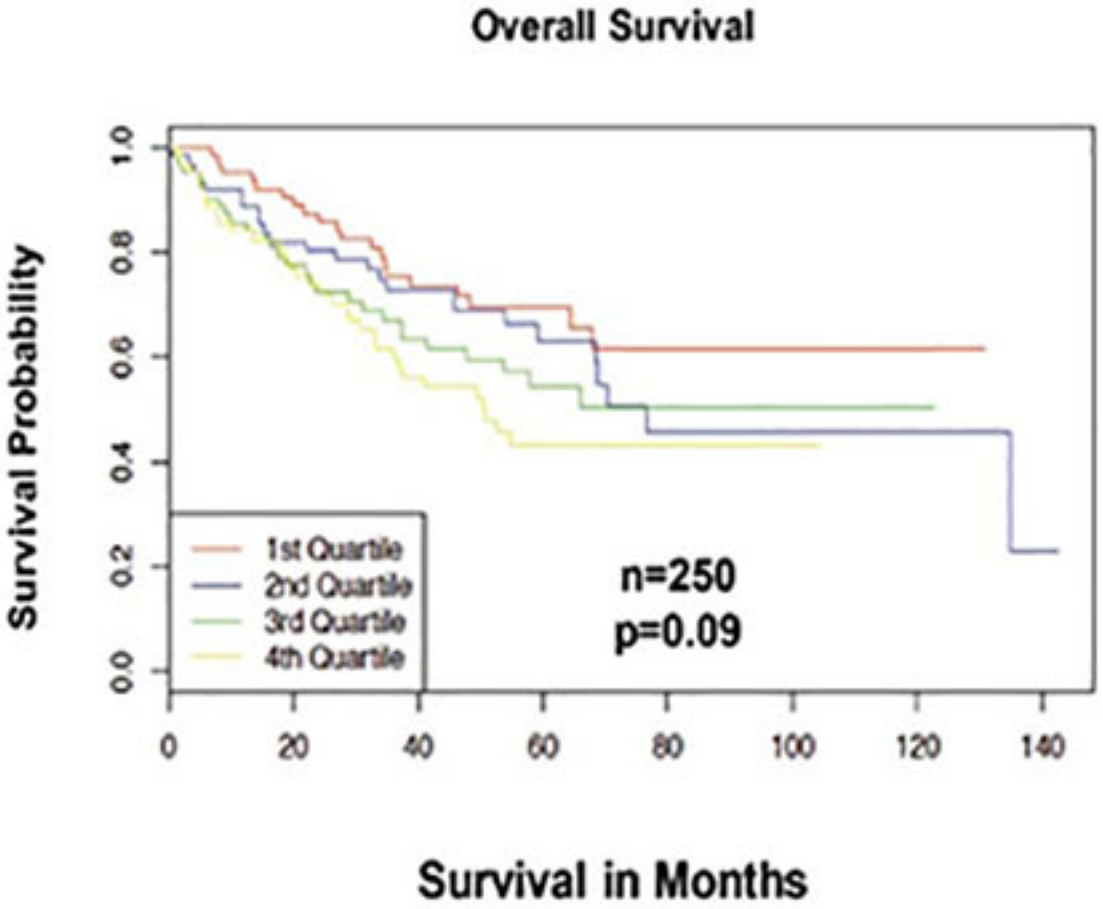
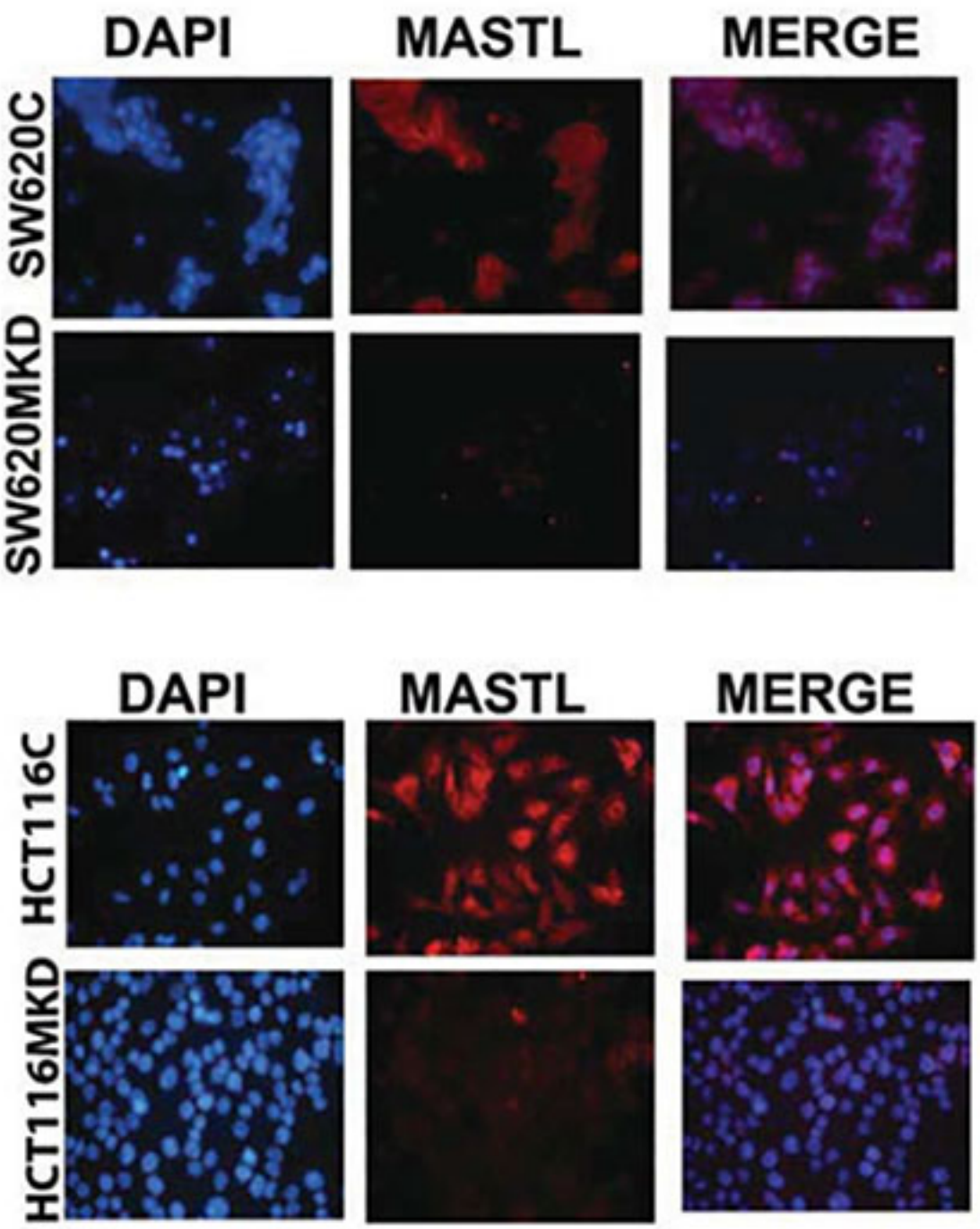
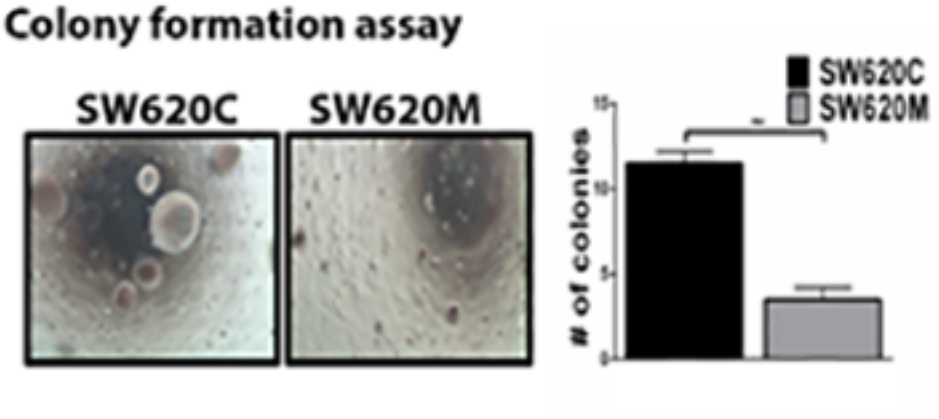

IEC
SW620
SW480
HT29
HCT116
DLD-1
CaCo2
LS174T
Mastl
β-actin

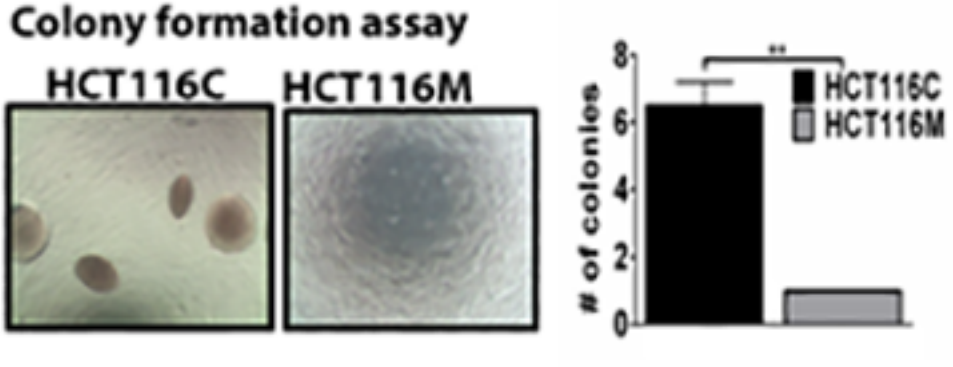

Overall Survival
Survival Probability
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120
140
1st Quartile
2nd Quartile
3rd Quartile
4th Quartile
n=250
p=0.09
Survival in Months

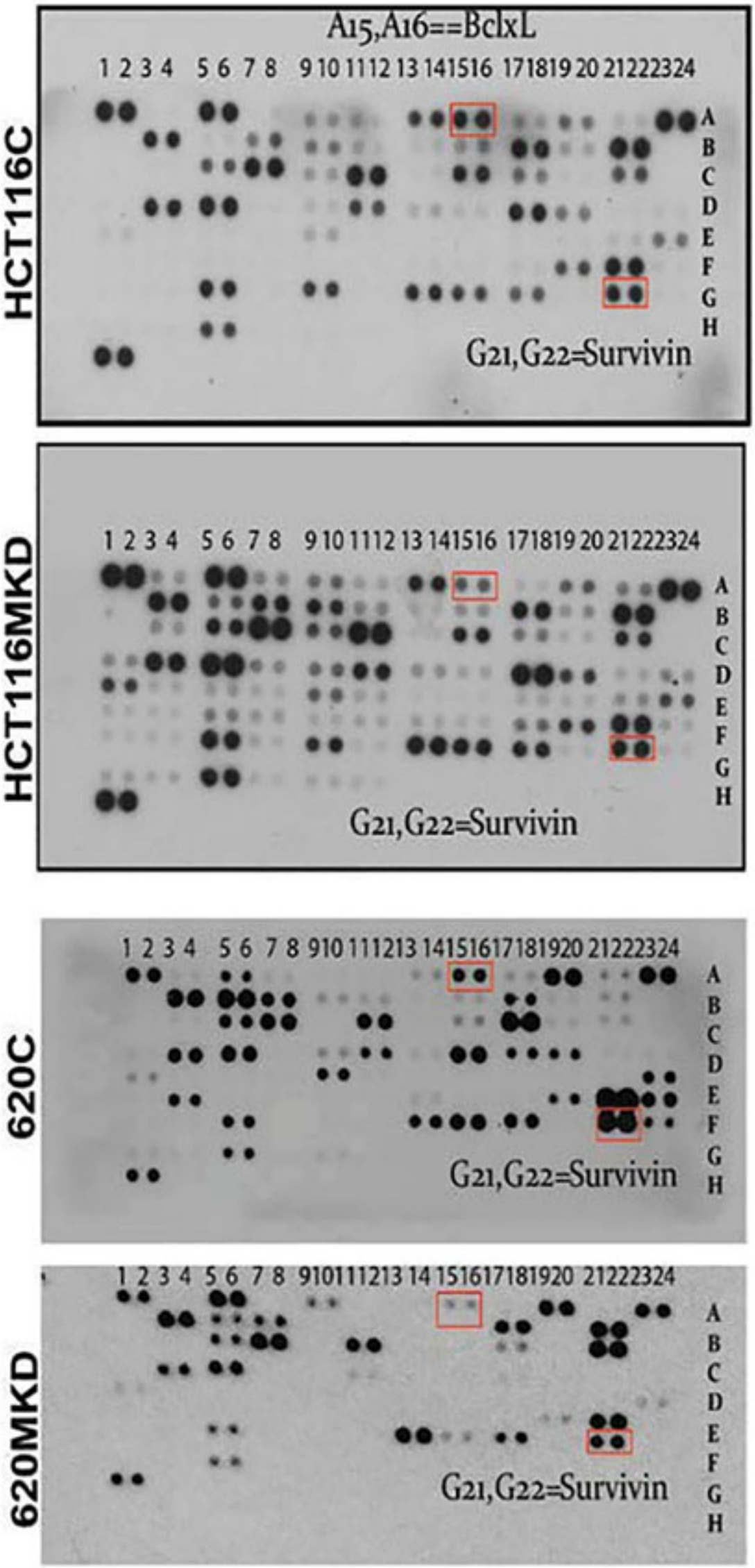

DAPI
MASTL
MERGE
SW620C
SW620MKD
DAPI
MASTL
MERGE
HCT116C
HCT116MKD

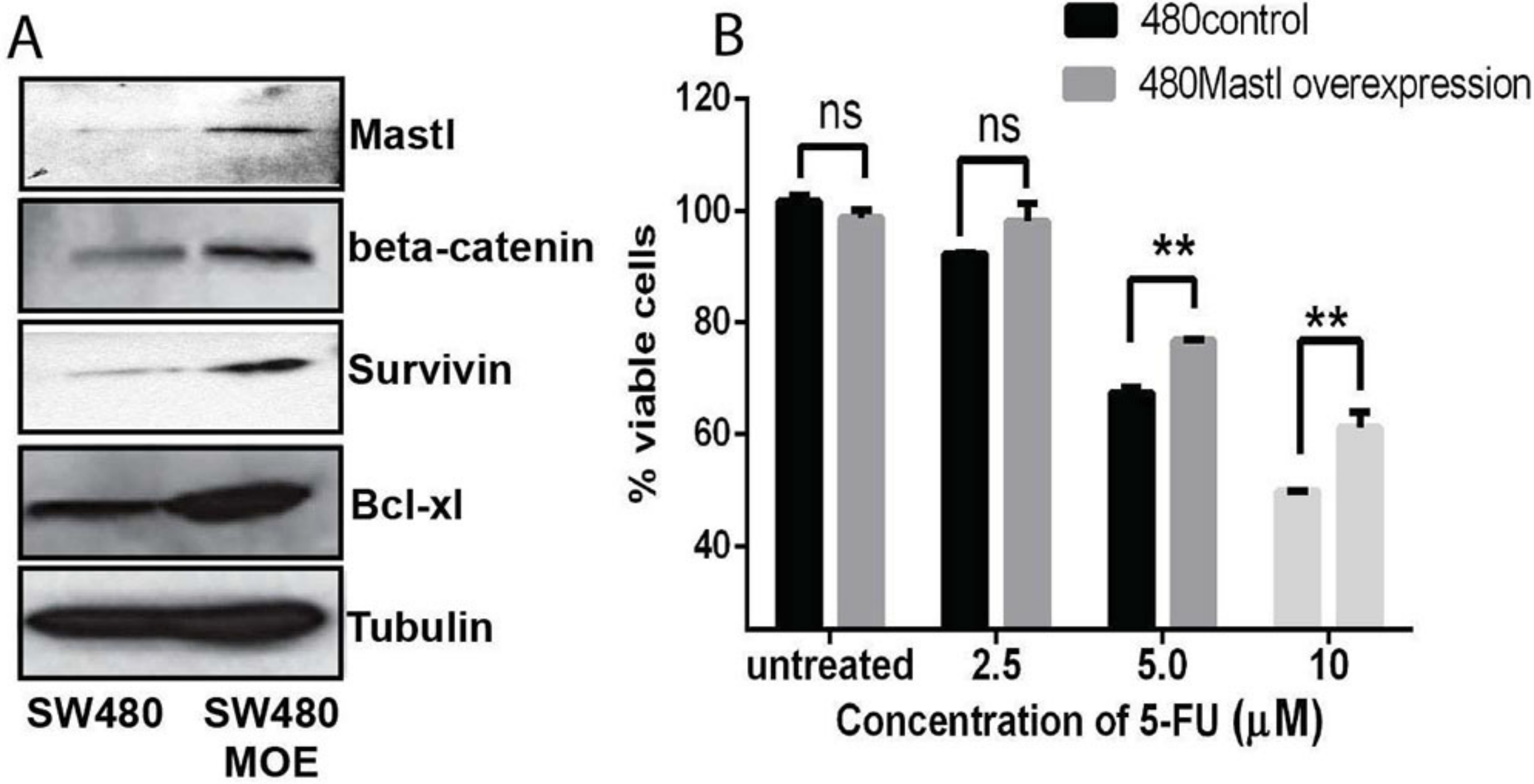
A


Colony formation assay
SW620C
SW620M
SW620C
SW620M
# of colonies
15
10
5
0
*

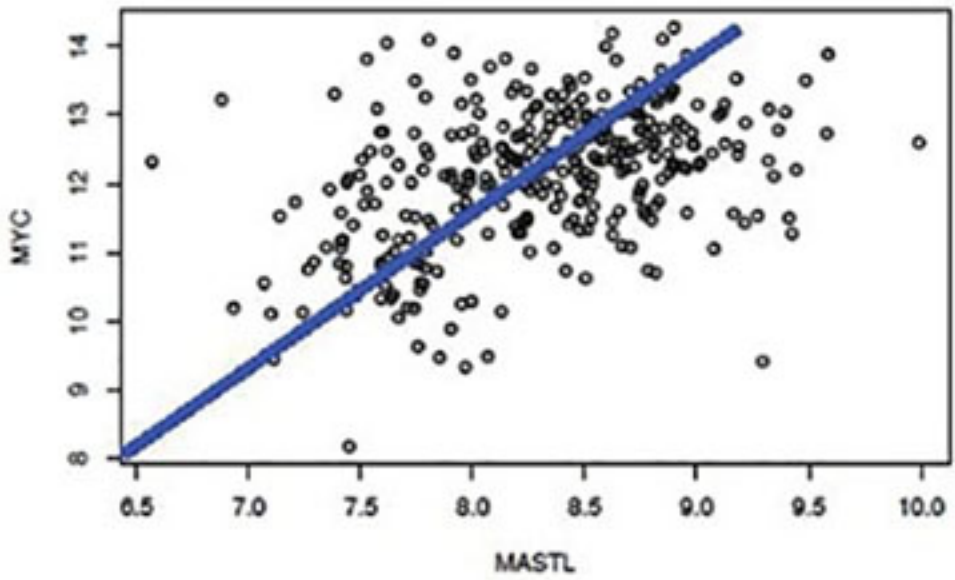
B


Colony formation assay
HCT116C
HCT116M
HCT116C
HCT116M
# of colonies
8
6
4
2
0
**


HCT116C
A15,A16==BclxL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A B C D E F G H
G21,G22=Survivin
HCT116MKD
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A B C D E F G H
G21,G22=Survivin
620C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A B C D E F G H
G21,G22=Survivin
620MKD
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A B C D E F G H
G21,G22=Survivin

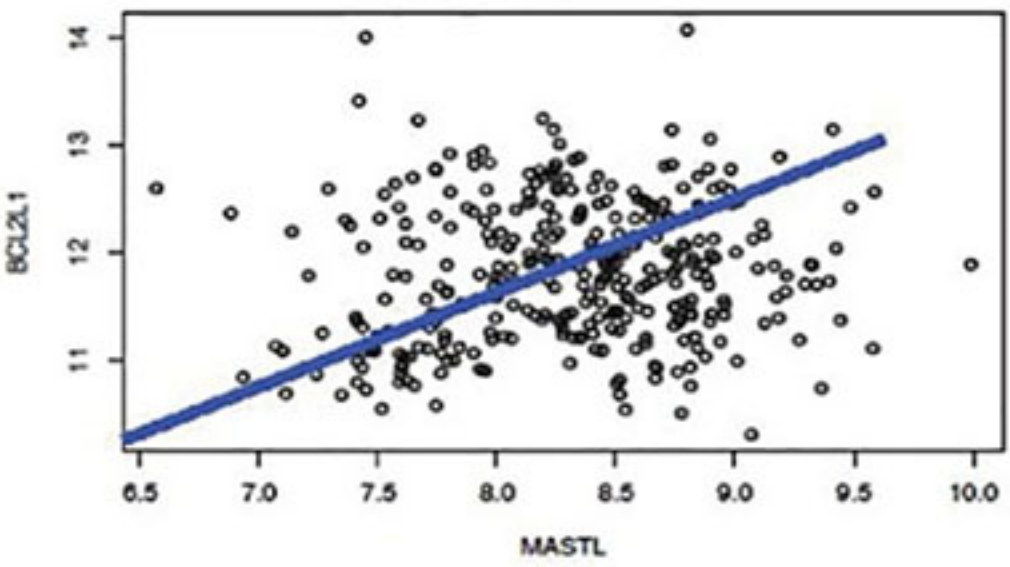

A
Mastl
beta-catenin
Survivin
Bcl-xl
Tubulin
SW480
SW480 MOE
B
480control
480Mastl overexpression
120
100
80
60
40
% viable cells
ns
ns
**
**
untreated
2.5
5.0
10
Concentration of 5-FU (μM)

MYC

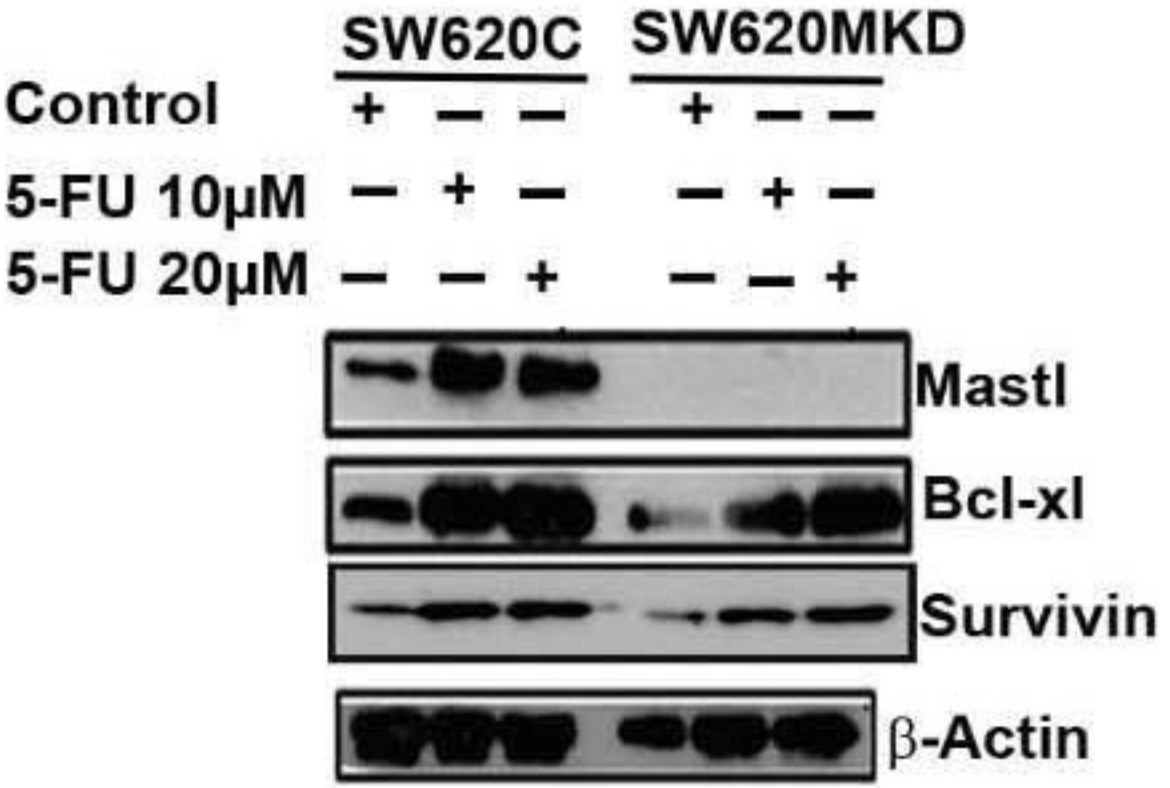


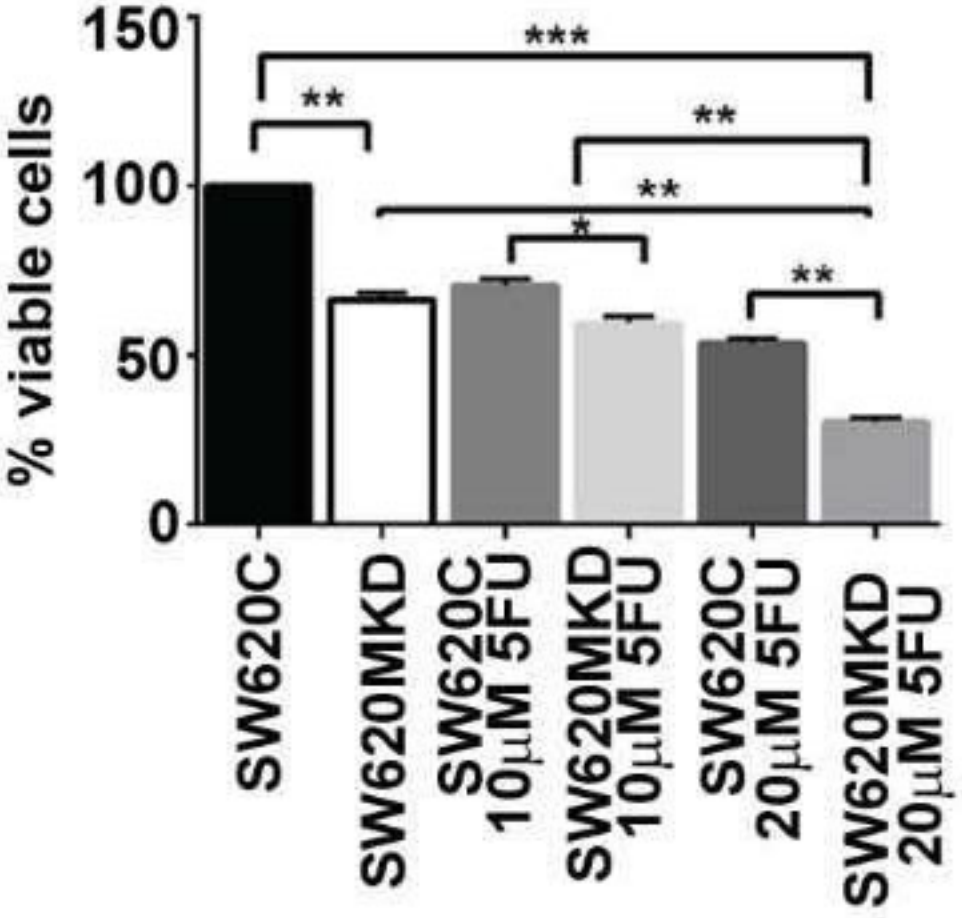
p<0.0001
Spearman's correlation: 0.4

BCL2L1



p=0.05
Spearman's correlation: 0.1


SW620C
SW620MKD
Control + – – + – –
5-FU 10μM – + – – + –
5-FU 20μM – – + – – +
Mastl
Bcl-xl
Survivin
β-Actin


% viable cells
150
100
50
0
***
**
**
**
*
**
SW620C
SW620MKD
SW620C 10μM 5FU
SW620MKD 10μM 5FU
SW620C 20μM 5FU
SW620MKD 20μM 5FU