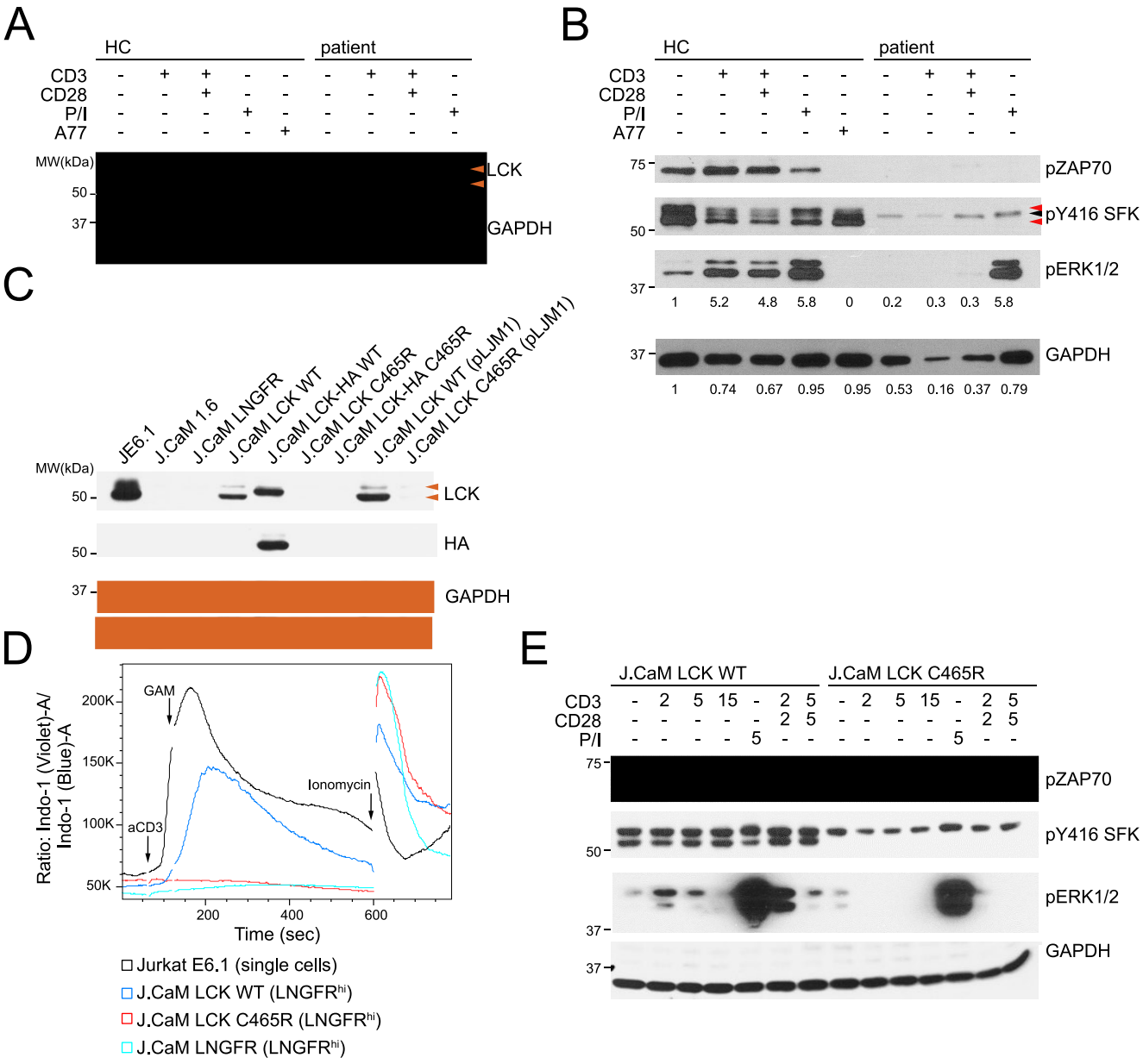
Figure 2


A
HC
patient
CD3
CD28
P/I
A77
MW(kDa)
50
37
LCK
GAPDH
B
HC
patient
CD3
CD28
P/I
A77
75
50
37
pZAP70
pY416 SFK
pERK1/2
1 5.2 4.8 5.8 0 0.2 0.3 0.3 5.8
GAPDH
1 0.74 0.67 0.95 0.95 0.53 0.16 0.37 0.79
C
JE6.1
J.CaM 1.6
J.CaM LNGFR
J.CaM LCK WT
J.CaM LCK-HA WT
J.CaM LCK C465R
J.CaM LCK-HA C465R
J.CaM LCK WT (pLJM1)
J.CaM LCK C465R (pLJM1)
MW(kDa)
50
LCK
50
HA
37
GAPDH
D
Ratio: Indo-1 (Violet)-A/ Indo-1 (Blue)-A
200K
150K
100K
50K
GAM
aCD3
Ionomycin
200
400
600
Time (sec)
Jurkat E6.1 (single cells)
J.CaM LCK WT (LNGFRhi)
J.CaM LCK C465R (LNGFRhi)
J.CaM LNGFR (LNGFRhi)
E
J.CaM LCK WT
J.CaM LCK C465R
CD3
CD28
P/I
75
50
37
37
pZAP70
pY416 SFK
pERK1/2
GAPDH