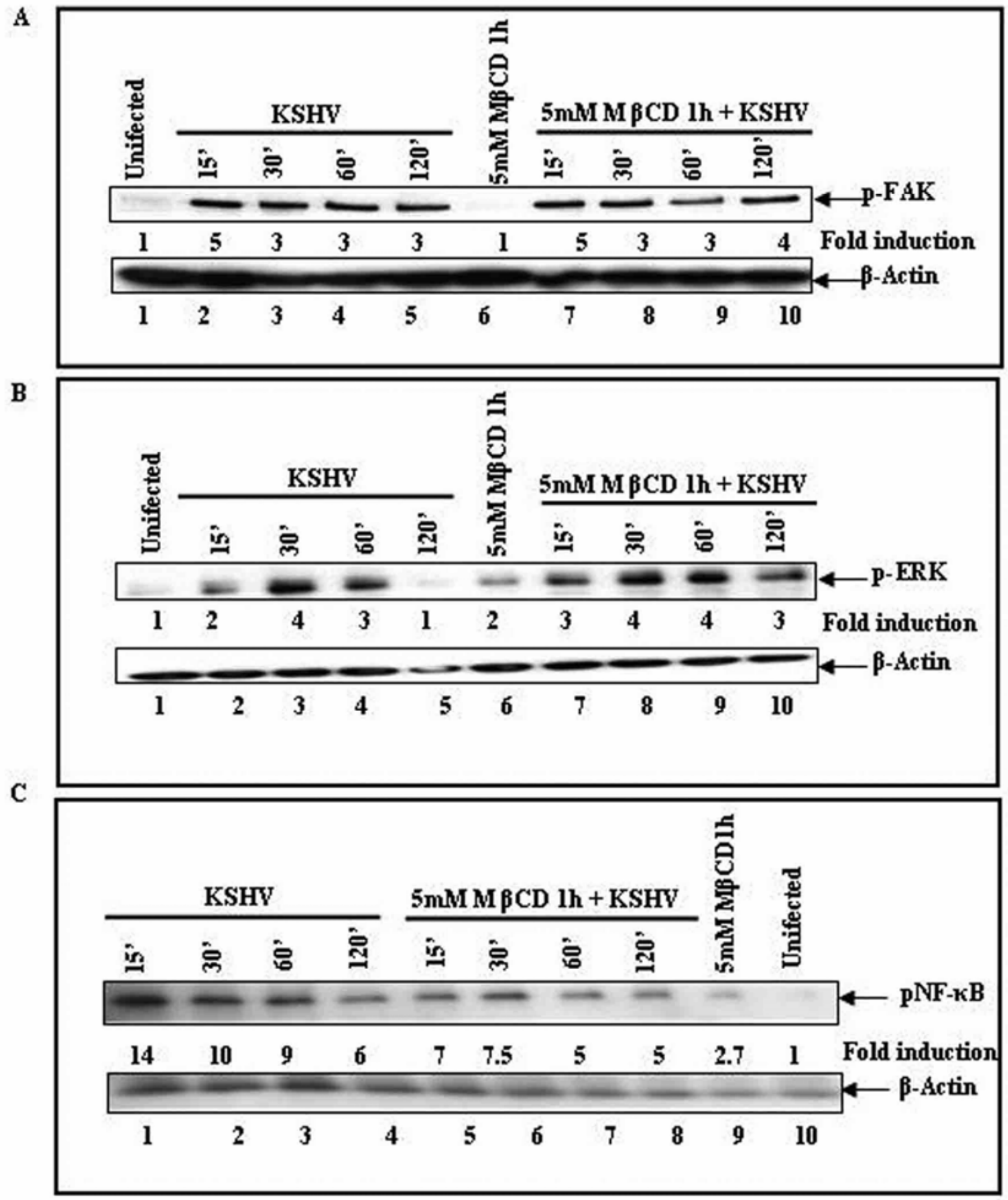
Supplementary figure 1

Effect of lipid raft disruption on KSHV induced FAK, ERK1/2 and NF-κB phosphorylation. Serum starved HMVEC-d cells were pretreated with 5mM MβCD for 1h and infected with 10 MOI of KSHV for the indicated time points. Cells were lysed in RIPA lysis buffer containing protease inhibitors and cellular debris removed by centrifugation at 13,000 x g for 2' at 4°C. Equal amounts of protein samples were resolved by SDS-7.5% PAGE, transferred onto nitrocellulose membrane and probed with phospho-FAK antibodies Tyr397 (A) or rabbit phospho ERK antibodies (B) or anti-phospho NF-κB antibodies (C) or or total β-actin antibodies for 3h. Immunoreactive band intensities were assessed and expressed as increased fold phosphorylation of FAK, ERK1/2 and NF-κB over uninduced cells. Each blot is a representative of a minimum of three separate experiments.


A
Unifected
KSHV
15'
30'
60'
120'
5mM MβCD 1h
5mM M βCD 1h + KSHV
15'
30'
60'
120'
p-FAK
1 5 3 3 3 1 5 3 3 4 Fold induction
β-Actin
1 2 3 4 5 6 7 8 9 10
B
Unifected
KSHV
15'
30'
60'
120'
5mM MβCD 1h
5mM M βCD 1h + KSHV
15'
30'
60'
120'
p-ERK
1 2 4 3 1 2 3 4 4 3 Fold induction
β-Actin
1 2 3 4 5 6 7 8 9 10
C
KSHV
15'
30'
60'
120'
5mM M βCD 1h + KSHV
15'
30'
60'
120'
5mM MβCD1h
Unifected
pNF-κB
14 10 9 6 7 7.5 5 5 2.7 1 Fold induction
β-Actin
1 2 3 4 5 6 7 8 9 10