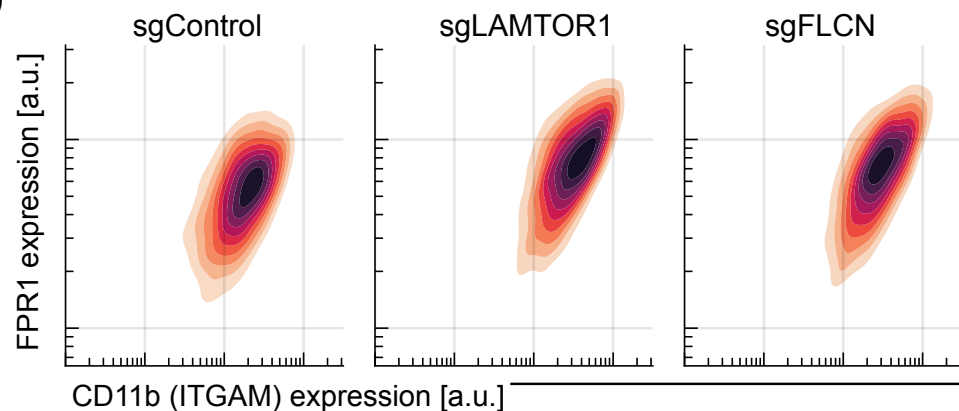
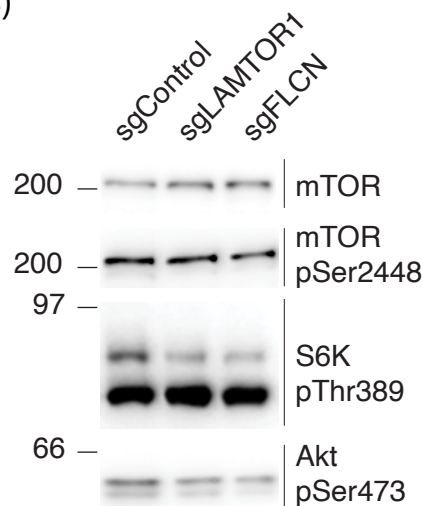


(A)

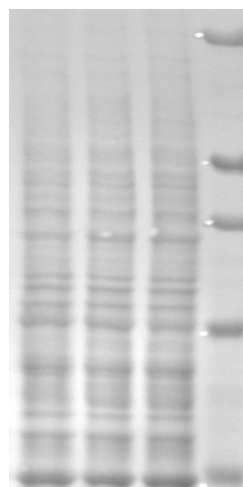


(B)

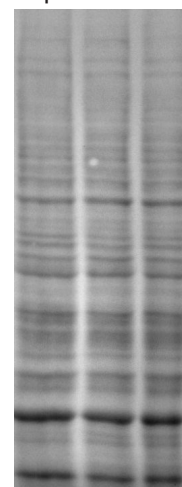


(C) total protein stain

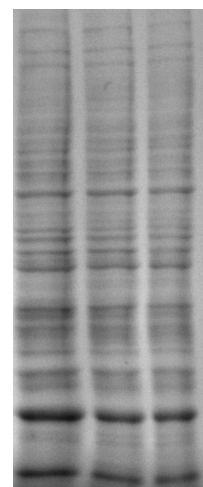
(i) blotted for S6K pThr389



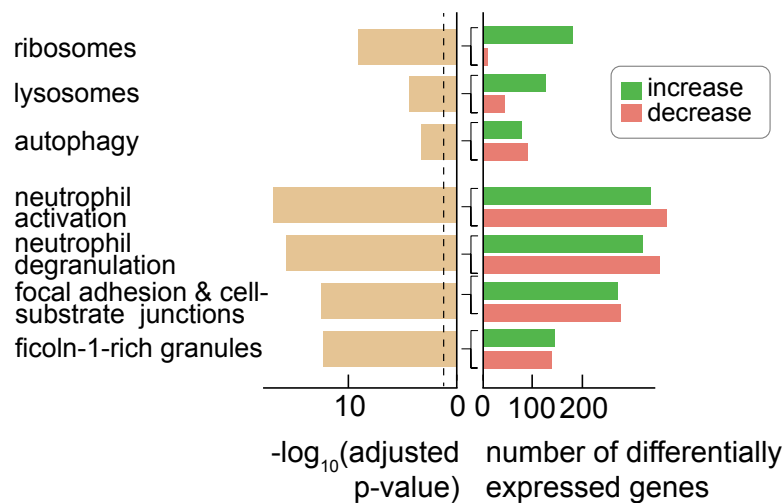
(ii) blotted for mTOR pSer2448 and Akt pSer473



(iii) blotted for mTOR



(D)



(E)

altered genes associated with mTOR signaling and autophagy

mTOR signaling pathway  
KEGG ID: HSA04150

SGK1

FNIP2

SLC3A2

RRAGD

SES2N2

RPS6KA2

FZD9

FLCN

PRKAA2

autophagy  
KEGG ID: HSA04140

RAB7B

DAPK1

BCL2

CTSD/L/B

ATG2A

PRKACA

ULK1

RUBCN

RRAS

RRAS2

ULK2

differential expression  
 $\log_2(\text{fold-change sgFLCN/sgControl})$ 