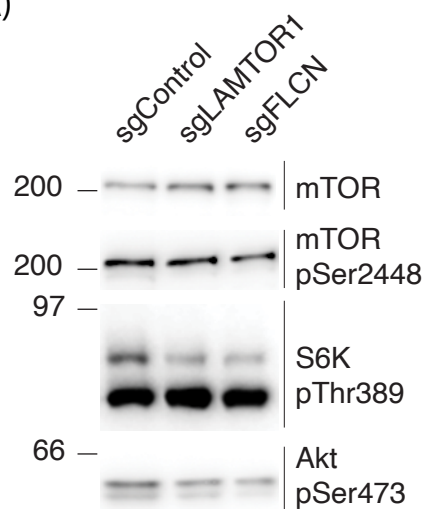
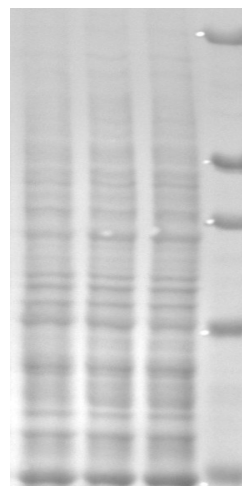


(A)

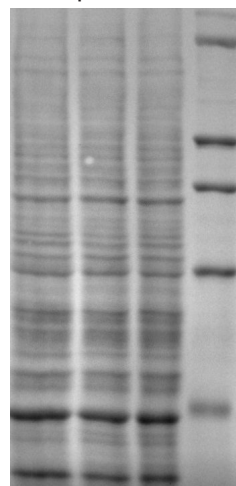


(B)

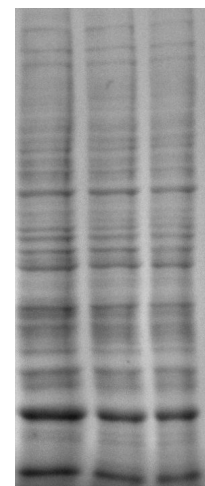
total protein stain  
(i) blotted for S6K  
pThr389



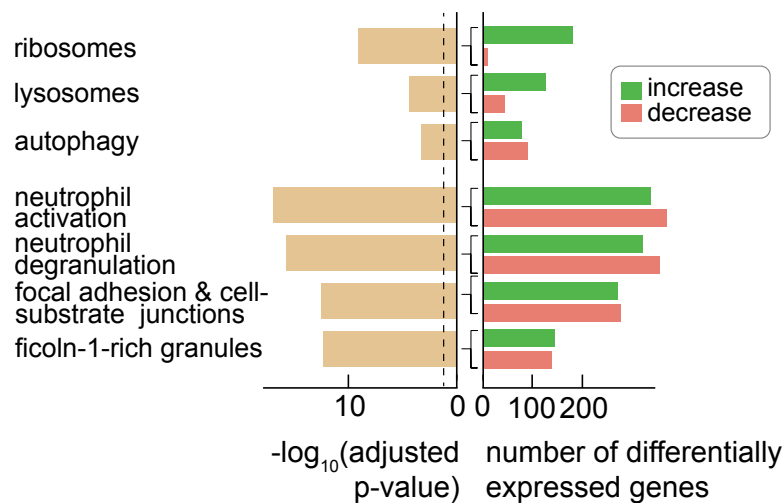
(ii) blotted for mTOR pSer2448  
and Akt pSer473



(iii) blotted for mTOR



(C)



(D)

altered genes associated with mTOR  
signaling and autophagy

mTOR signaling pathway  
KEGG ID: HSA04150

SGK1  
FNIP2  
SLC3A2  
RRAGD  
SESN2  
RPS6KA2  
FZD9  
FLCN  
PRKAA2

autophagy  
KEGG ID: HSA04140

RAB7B  
DAPK1  
BCL2  
CTSD/L/B  
ATG2A  
PRKACA  
ULK1  
RUBCN  
RRAS  
RRAS2  
ULK2

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

