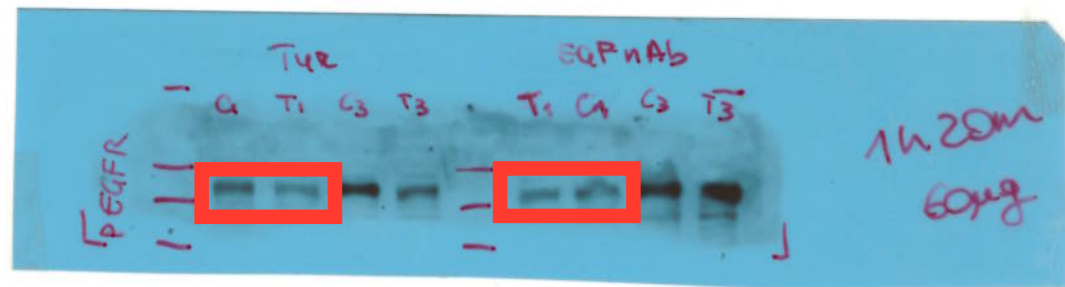


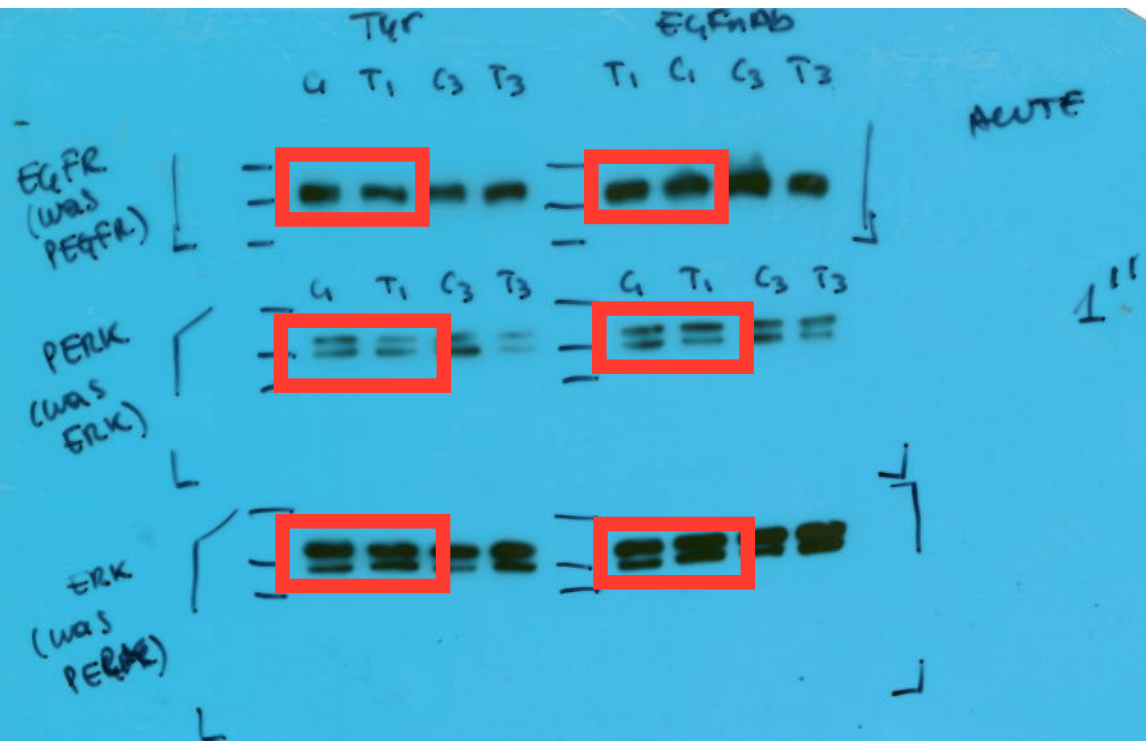
EGF receptor (EGFR) inhibition promotes a slow-twitch oxidative, over a fast-twitch, muscle phenotype

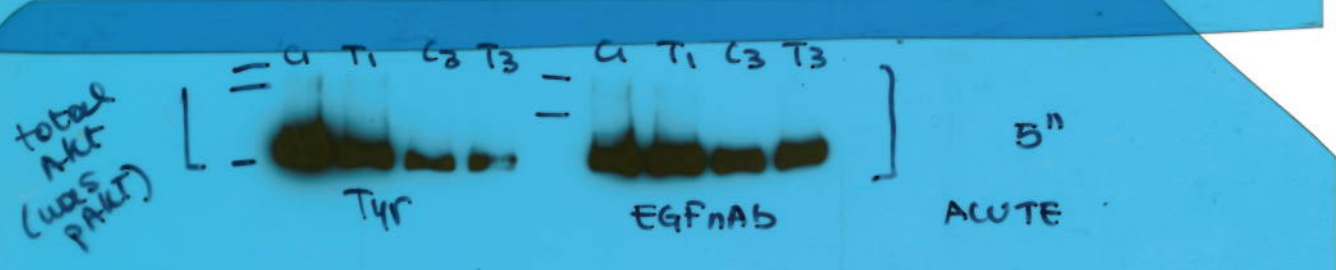
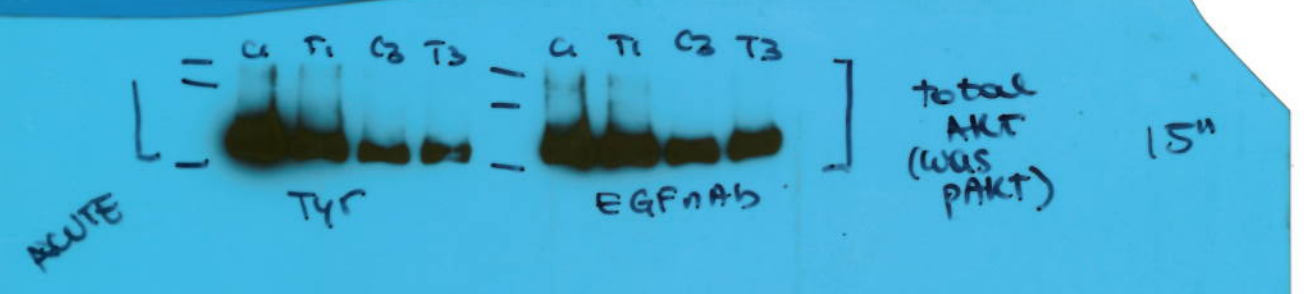
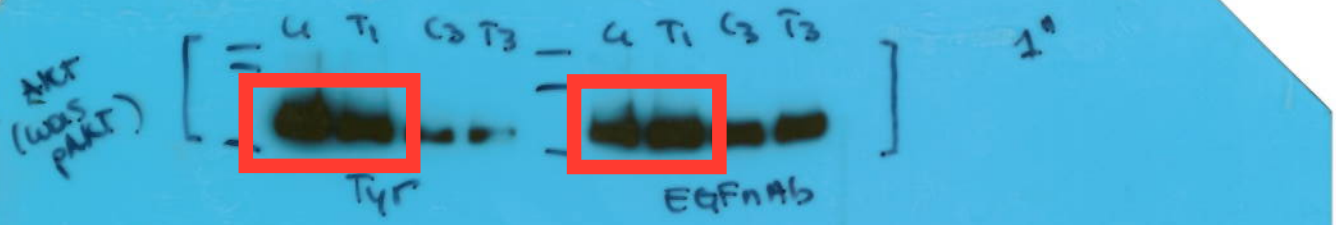
Margherita Ciano, Giada Mantellato, Martin Connolly, Mark Paul-Clark, Saffron Willis-Owen, Miriam F Moffatt, William O.C.M. Cookson, Jane A Mitchell, Michael I Polkey, Simon M. Hughes, Paul R. Kemp, S. Amanda Natanek

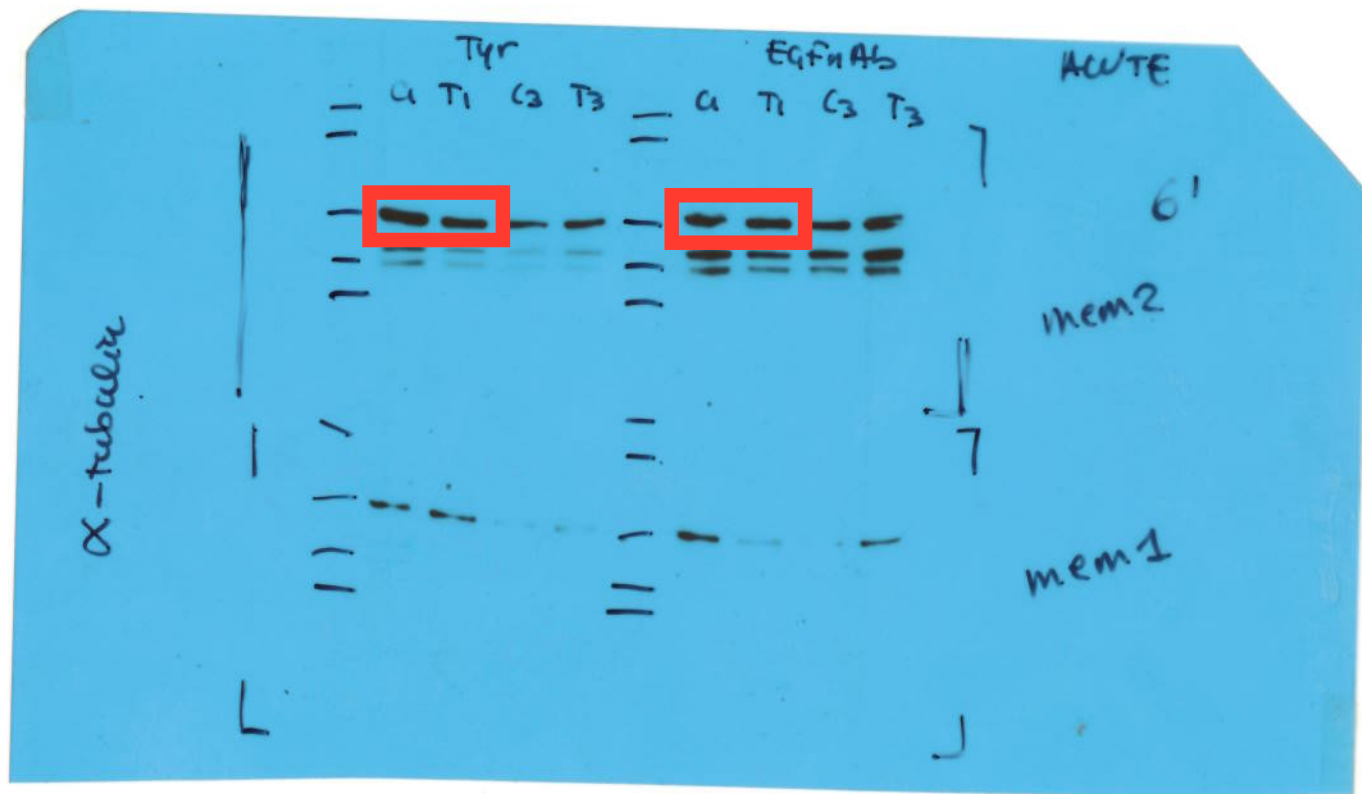
Corresponding author:

Dr Samantha Amanda Natanek, Molecular Medicine, NHLI, SAF Building, Imperial College London,
London, SW7 2AZ, UK. +44 (0)20 75
94 2831. a.natanek@imperial.ac.uk





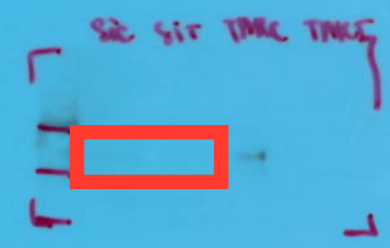




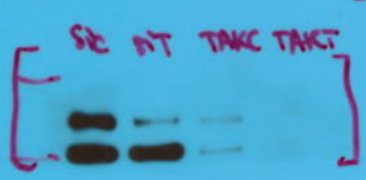
chronic
siRNA

1h 30m

PKC α PR
(was
ECUPR)



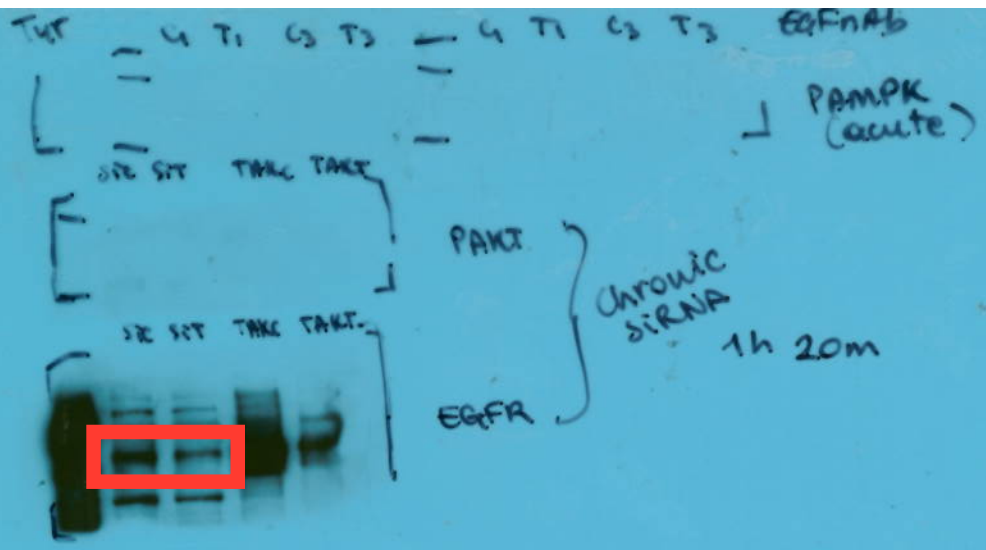
PAMPK
(was PAKT)



siC siT TACK TACK2



PAKT
(PAMPK)

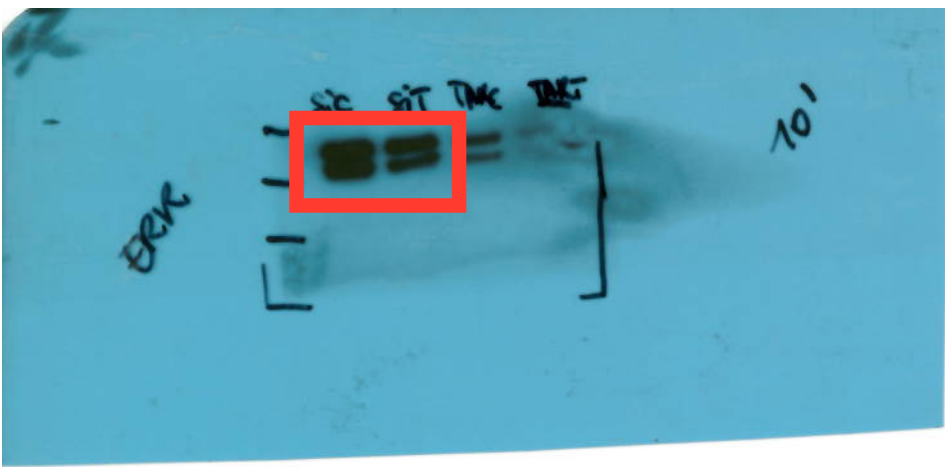


1h 10m

SP SIT TAKC TACT

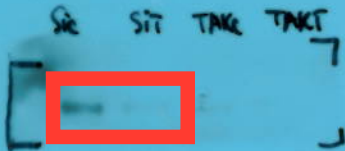


PERK

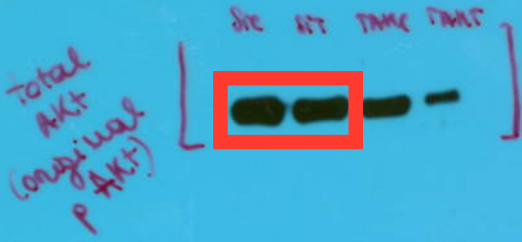


1h30min

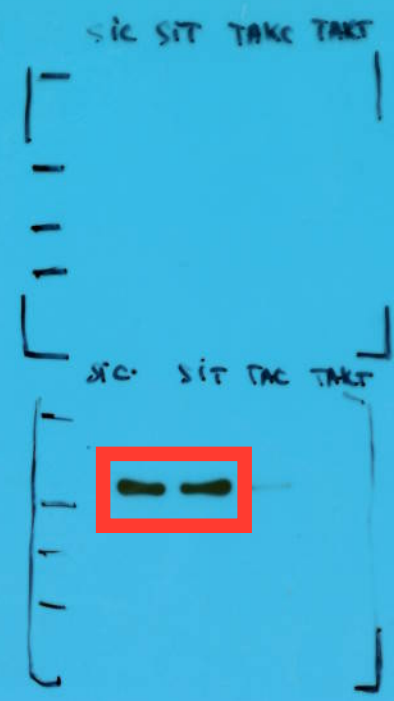
ⓅAKT



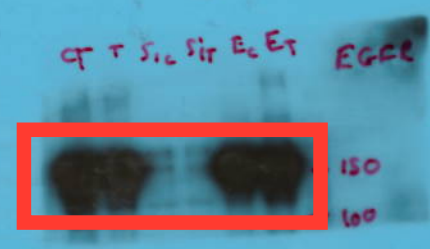
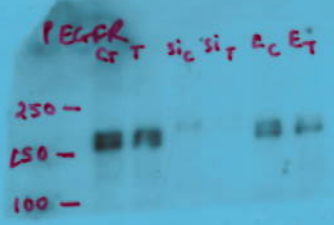
Chronic
siRNA
1!



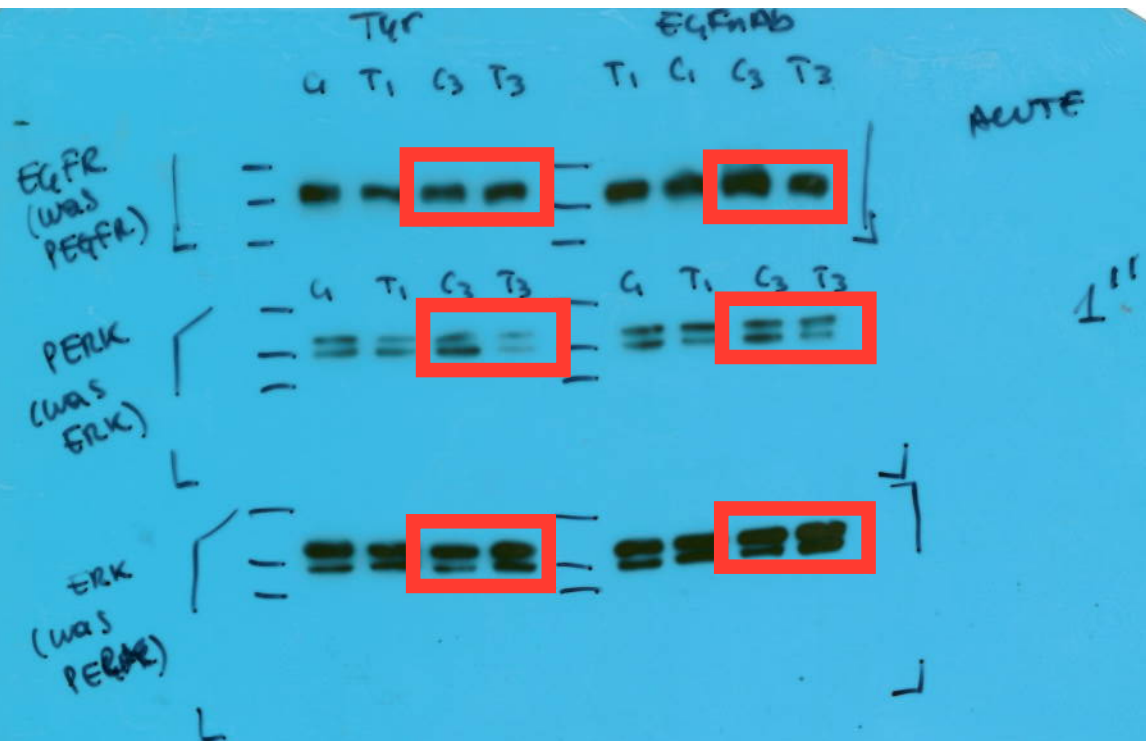
α-tubulin

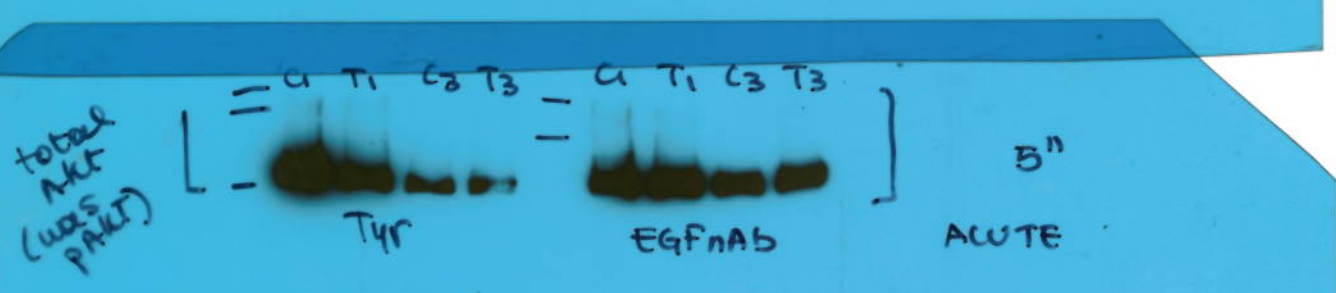
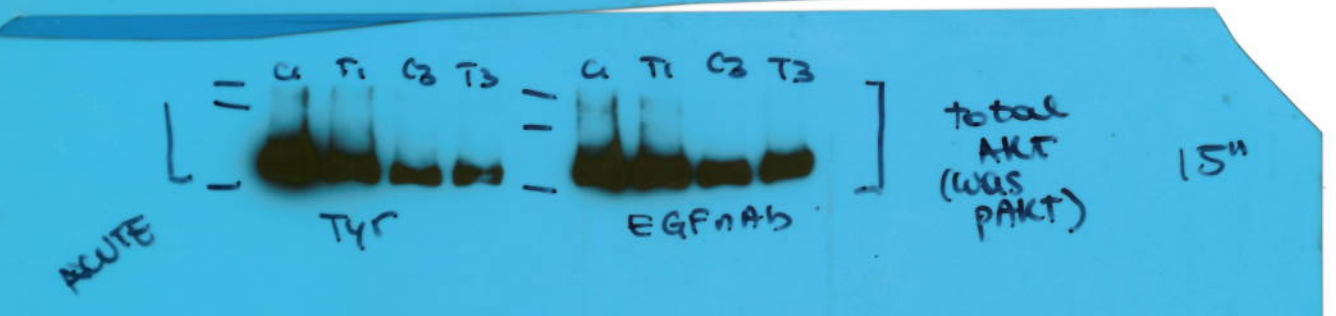
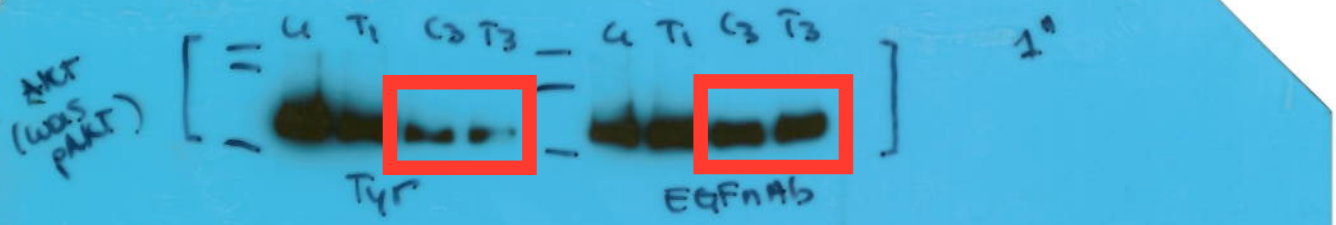


siRNA
control 2'
MEM 1
(PAK1, ERK)
MEM 2
(PAK1, ERK)









EGFR
CT T S_{1c} S_{1T} B_c E_T

250 -
150 -
100 -



CT T S_{1c} S_{1T} B_c E_T EGFR

- 150
- 100

Gel # 101 ECL
1 hr 10 exposure

EMFR

Co T Sic Srr Eo Er



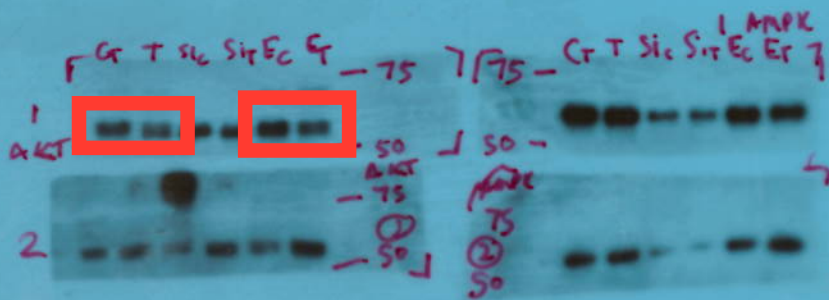
250
150
100

Gel 1
ERK 10 sec exp

C1 T S1c S1r E2 E1



45 min



α -tubulin

mem 2

Te Tp Nic Nit Ee Et To Tr Nc Nt Ec Et



2'

mem 2

