Source data Figure 7 (panels A,B,C,D)
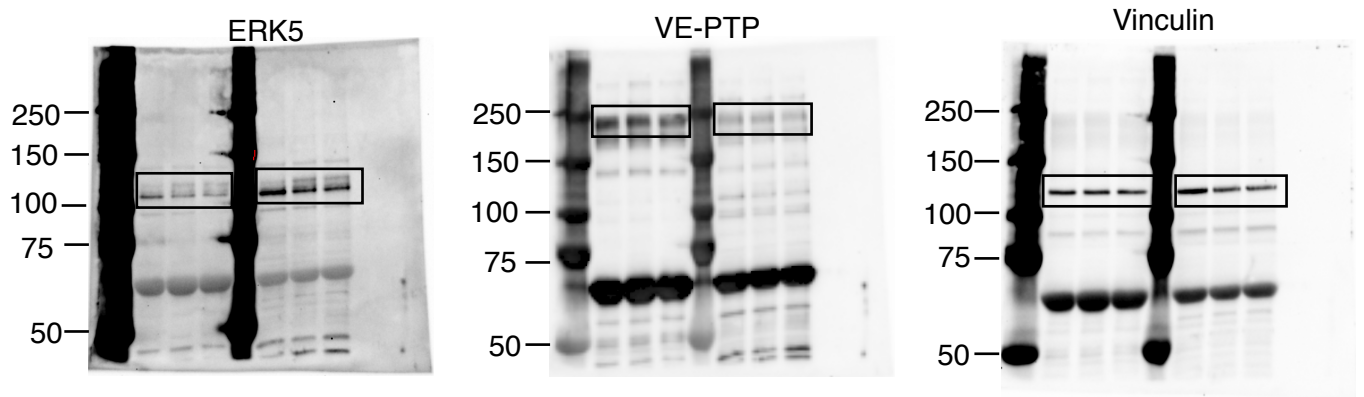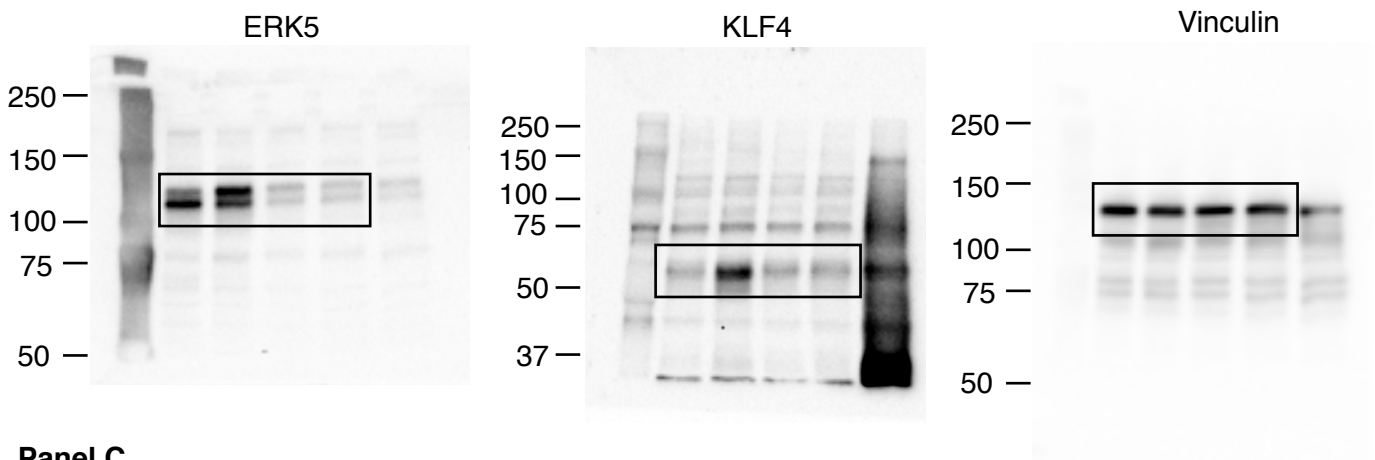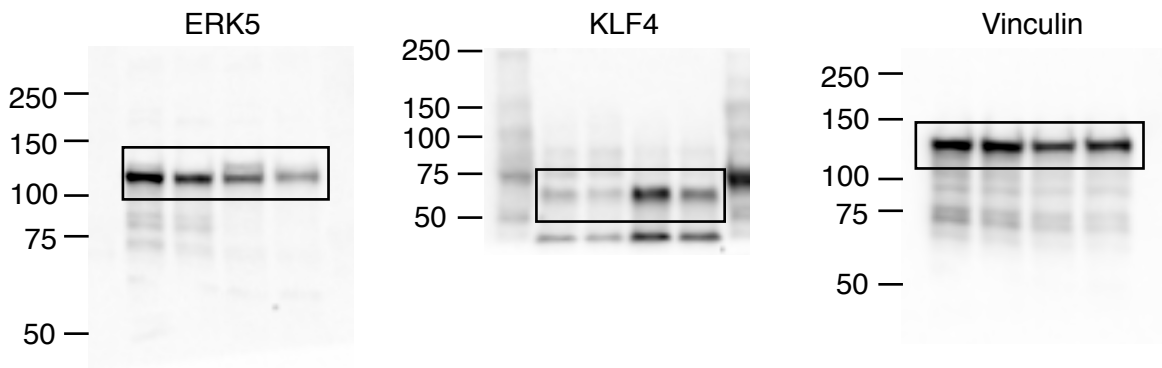
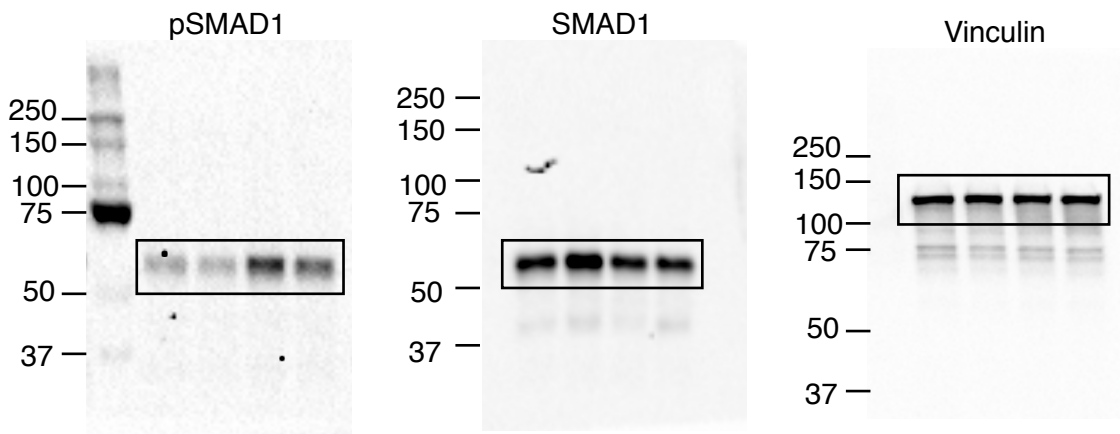## Panel A

ERK5

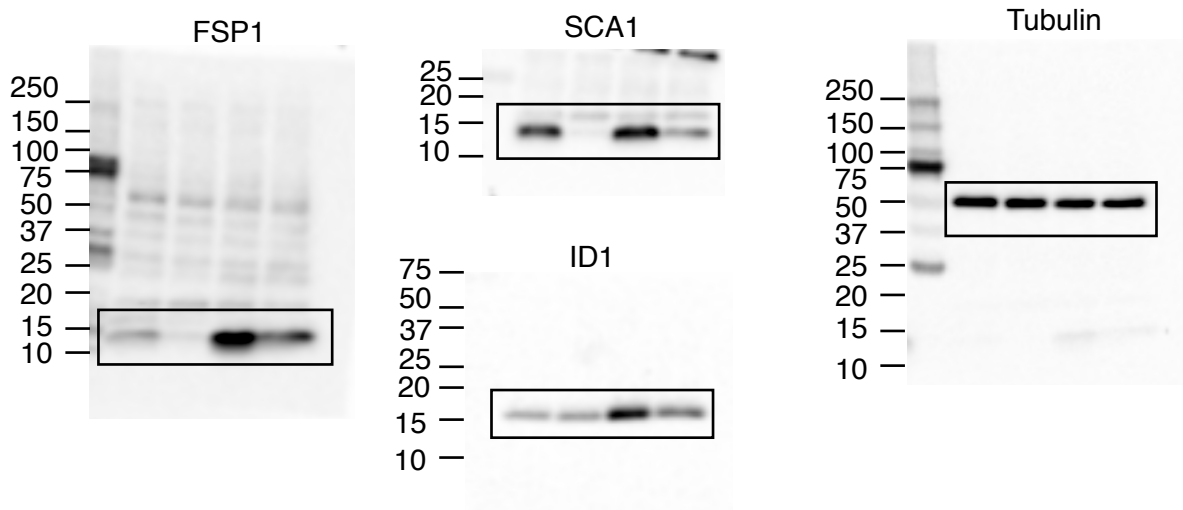VE-PTP

Vinculin

Panel B

ERK5

KLF4

Vinculin

Panel C

ERK5

KLF4

Vinculin

Panel D

pSMAD1

SMAD1

Vinculin

Source data Figure 7 (panels E, F)

Panel E

FSP1

250 —
150 —
100 —
75 —
50 —
37 —
25 —
20 —
15 —
10 —

SCA1

25 —
20 —
15 —
10 —

ID1

75 —
50 —
37 —
25 —
20 —
15 —
10 —

Tubulin

250 —
150 —
100 —
75 —
50 —
37 —
25 —
20 —
15 —
10 —

Panel F

KLF4

100 —
75 —
50 —
37 —
25 —
20 —

siMEF2A   siMEF2C

KLF4

100 —
75 —
50 —
37 —
25 —
20 —

siMEF2D

Vinculin
siMEF2A   siMEF2C

100 —
75 —
50 —
37 —
25 —
20 —

Vinculin
siMEF2D

100 —
75 —
50 —
37 —
25 —
20 —