Regulation of atypical MAP kinases ERK3 and ERK4 by the phosphatase DUSP2

²Maria Perander, ¹Rania Al-Mahdi, ¹Thomas C. Jensen ¹Jennifer A.L. Nunn, ¹Hanne Kildalsen, ¹Bjarne Johansen, ^{3,4}Mads Gabrielsen, ^{3*}Stephen M. Keyse and ^{1*}Ole-Morten Seternes.

¹Department of Pharmacy, ²Department of Medical Biology, UiT The Arctic University of Norway, N-9037 Tromsø, Norway. and ³Cancer Research UK Stress Response Laboratory, Medical Research Institute, Division of Cancer Research, Jacqui Wood Cancer Centre, James Arrot Drive, Ninewells Hospital and Medical School, Dundee DD1 9SY, United Kingdom, ⁴present address; Beatson Institute for Cancer Research, Garscube Estate, Switchback Road Glasgow G61 1BD, United Kingdom.

^{*}To whom correspondence should be addressed: <u>Ole-Morten-Seternes@uit.no</u> or s.m.keyse@dundee.ac.uk

Supplementary Figure Legends

Supplementary Figure 1: Unprocessed Western blot scans.

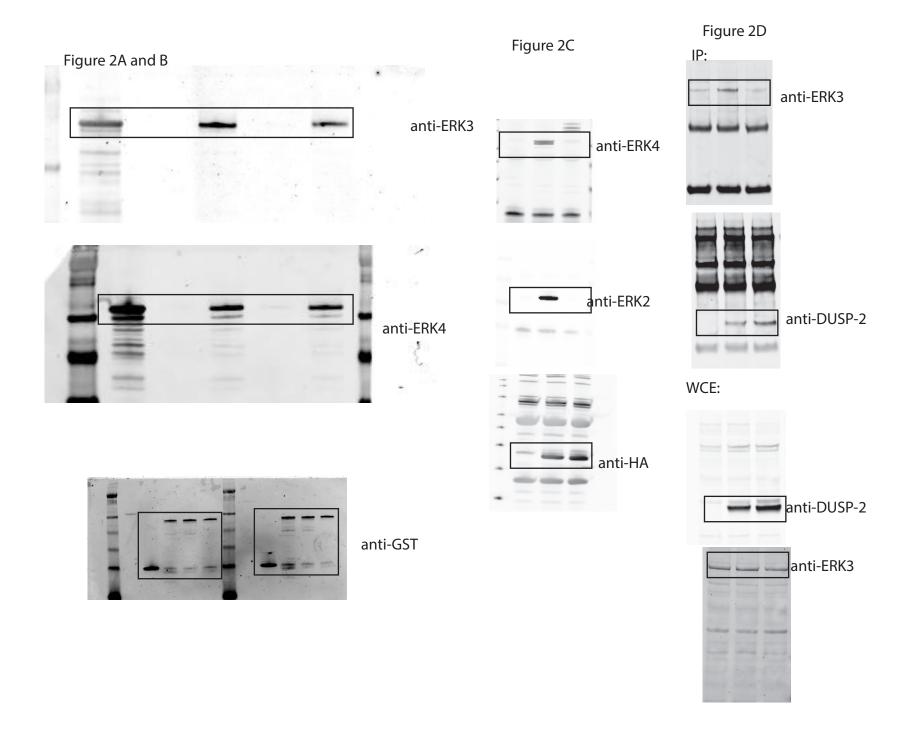
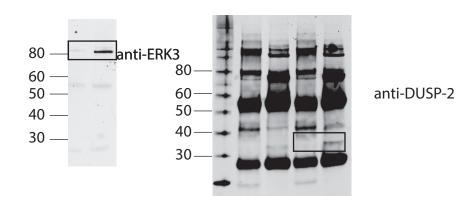


Figure 2E

IP:



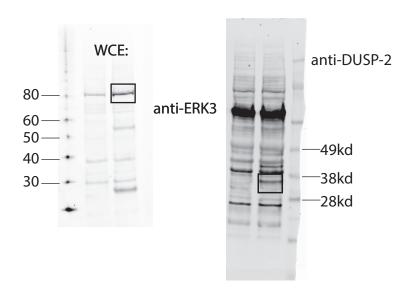
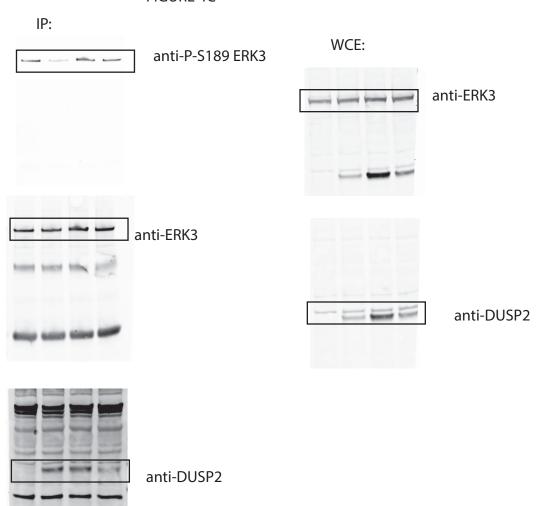


Figure 4 B Figure 4 A anti-P-S186 ERK4 anti-P-S186 ERK4 anti-HA anti-GFP 4 anti-Myc anti-Myc

FIGURE 4C



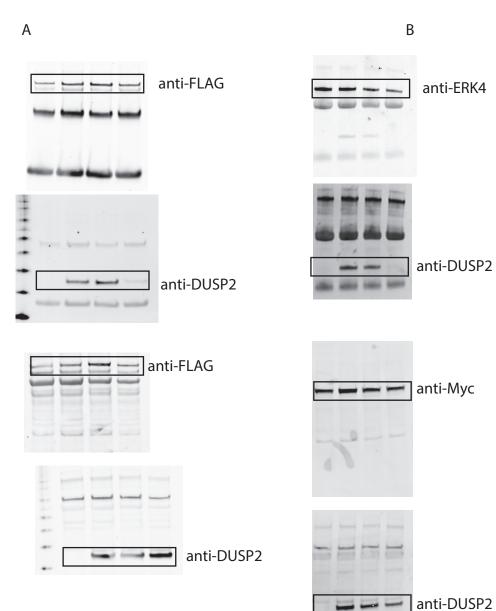


Figure 7B Figure 7A anti-HA anti-Actin anti-HA anti-Actin anti-GFP

anti-HA

anti-Actin

anti-HA

anti-Actin

anti-GFP

Figure 8A anti-P-T182 MK5 anti-GFP anti-Myc

Figure 8C

