

Fig1a Acrolein-elevated ERK phosphorylation: time-dependence

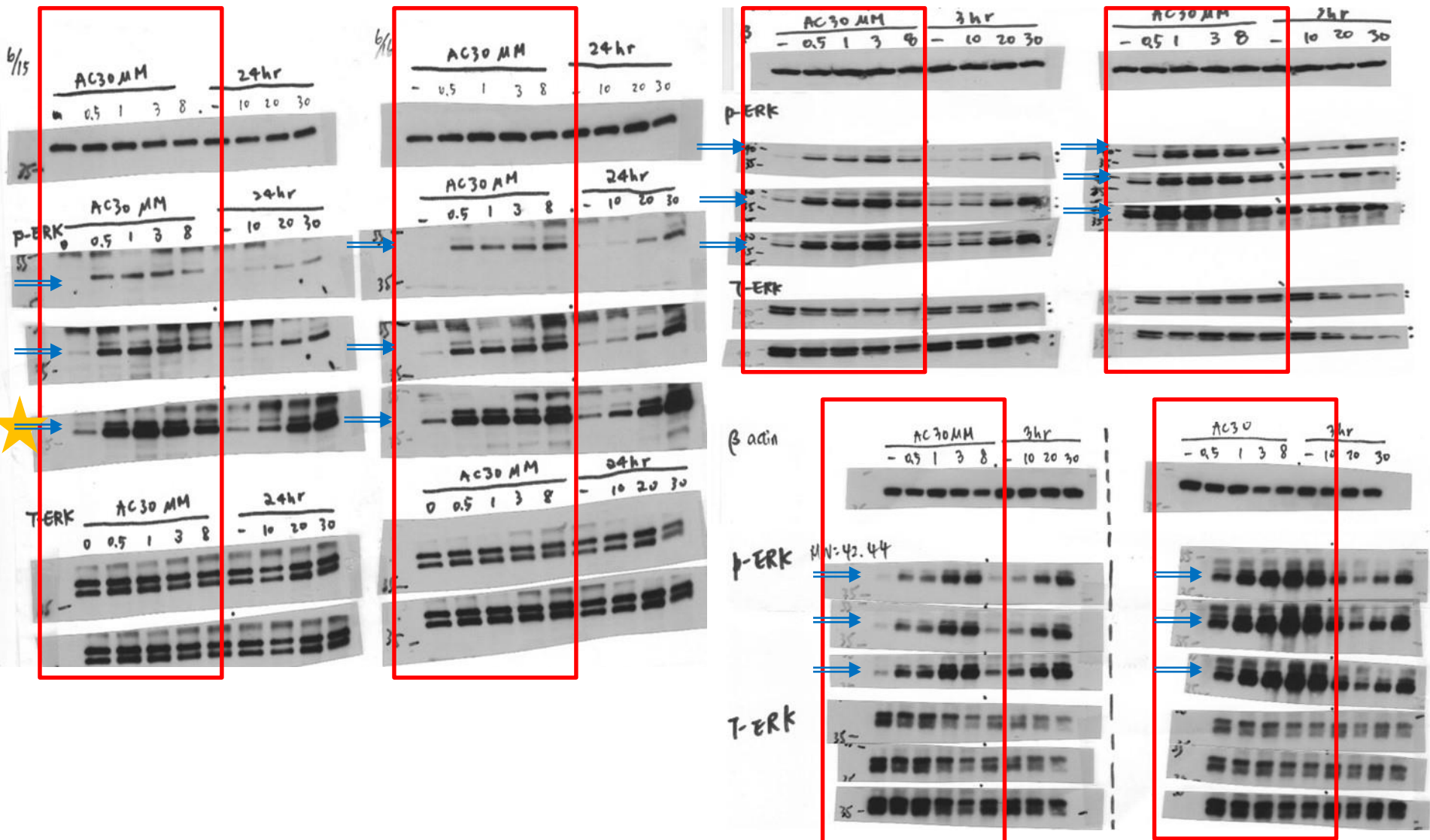


Fig1b Acrolein-elevated ERK phosphorylation: concentration-dependence

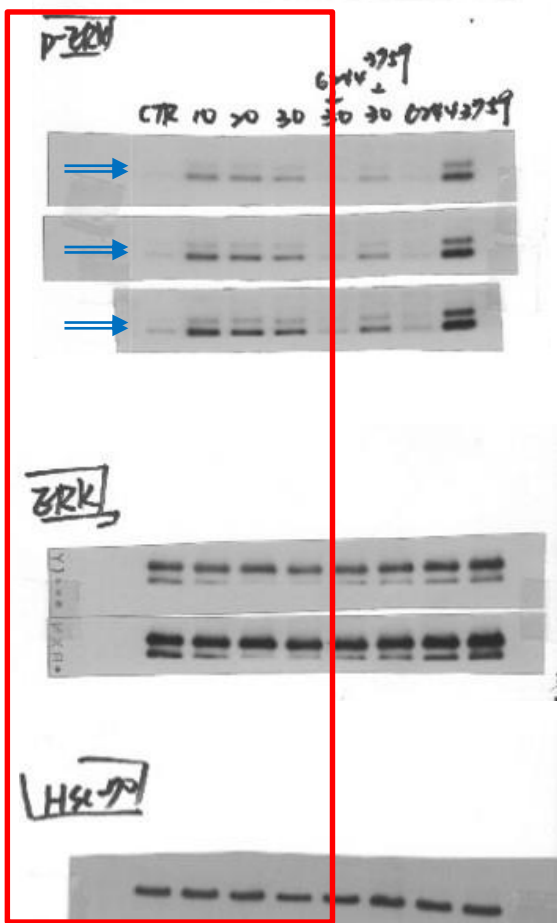
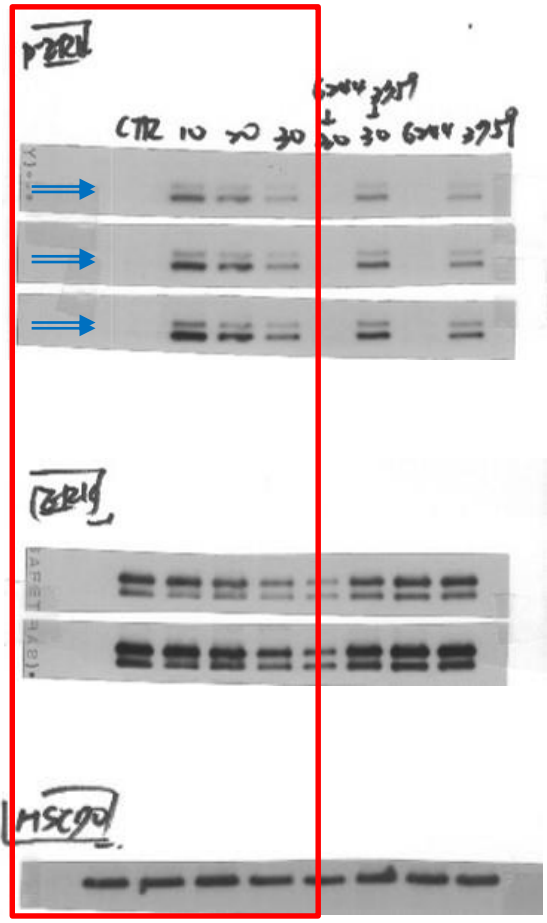
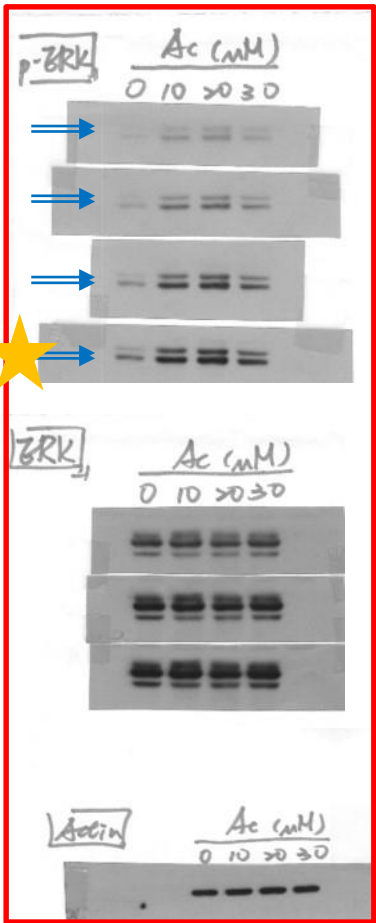


Fig1c Effect of selumetinib on acrolein-elevated ERK phosphorylation

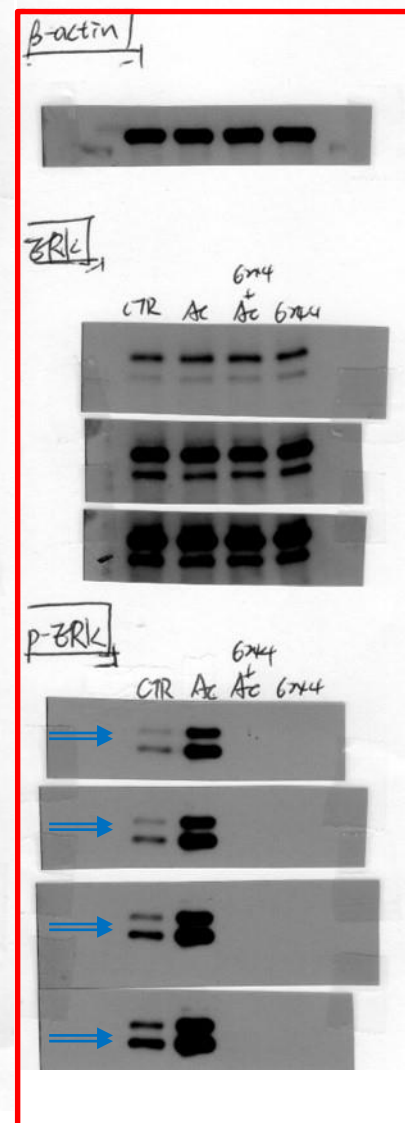
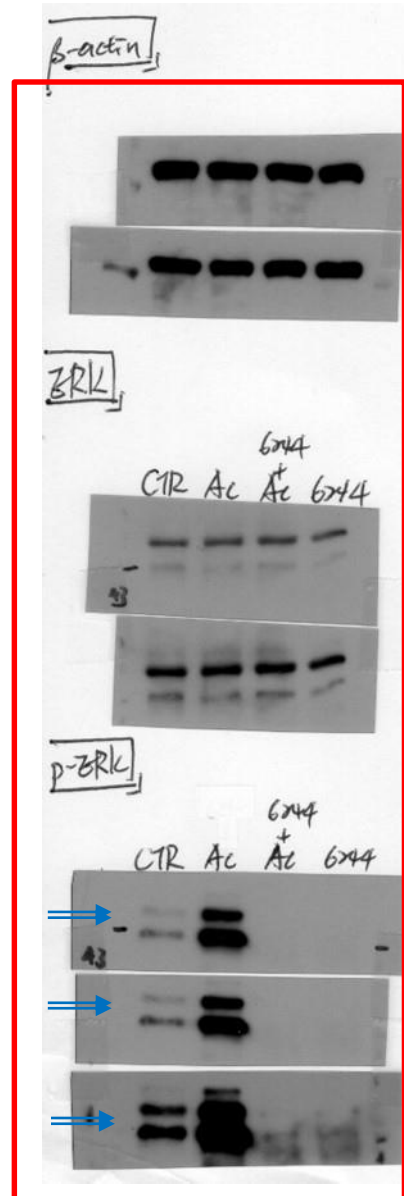
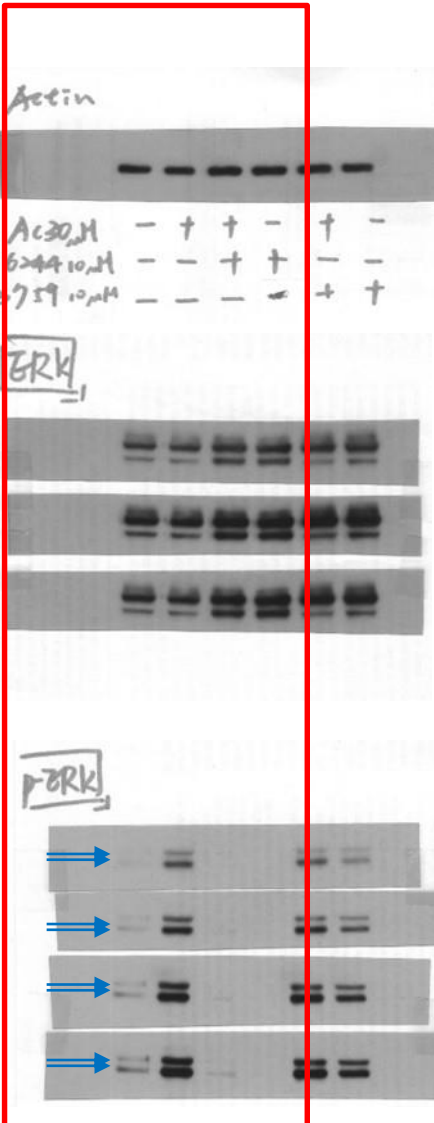


Fig2a Acrolein-induced HO-1 elevation: concentration-dependence

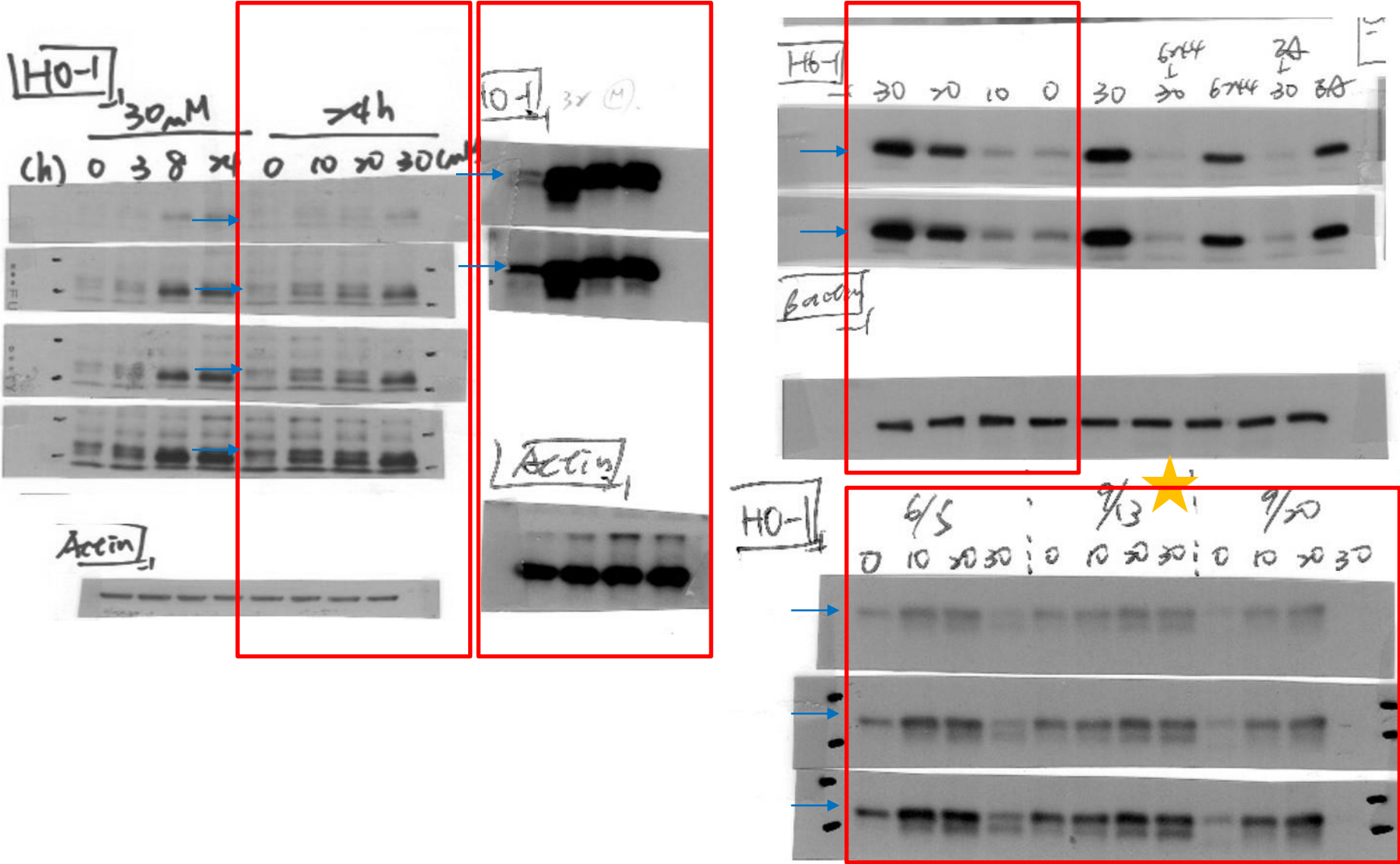


Fig2b Effect of selumetinib on acrolein-elevated Nrf-2

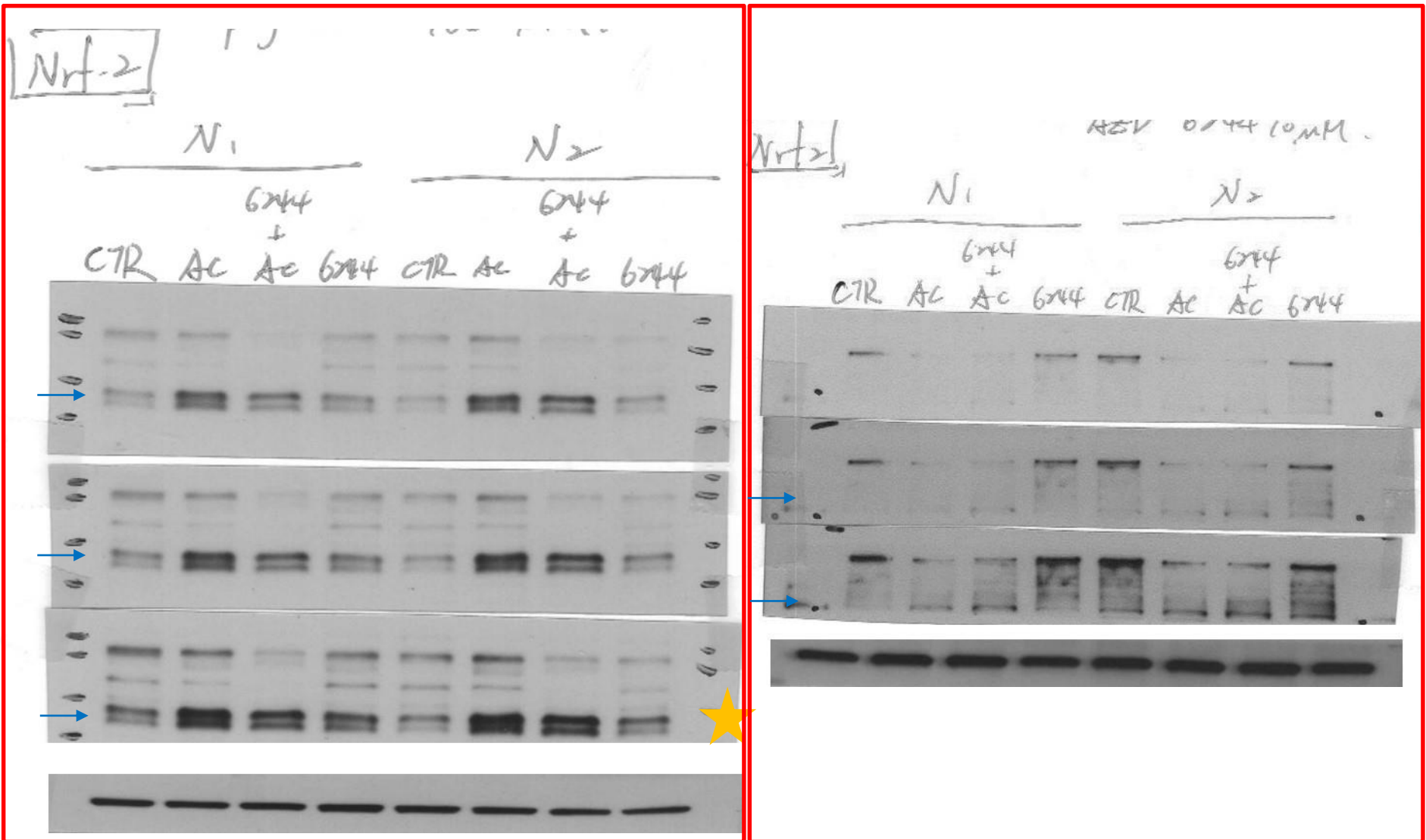
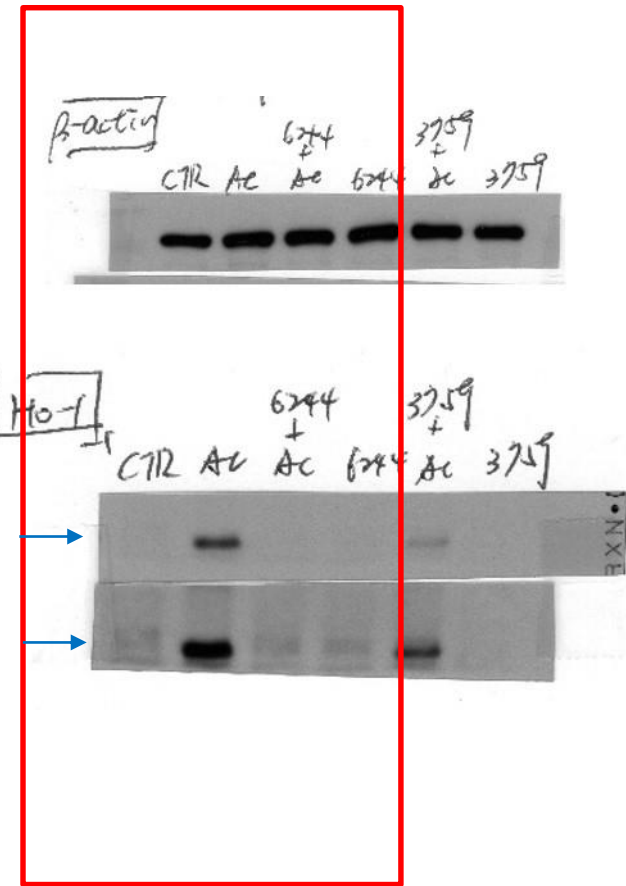
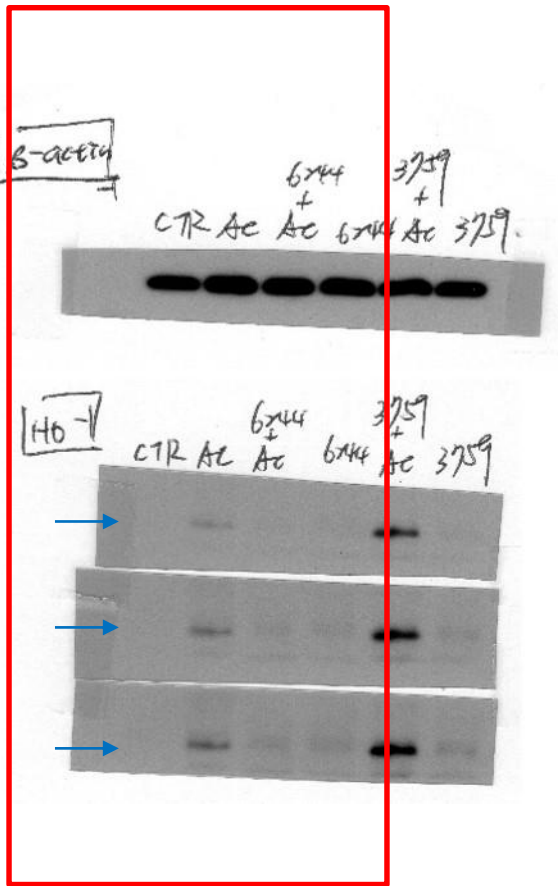
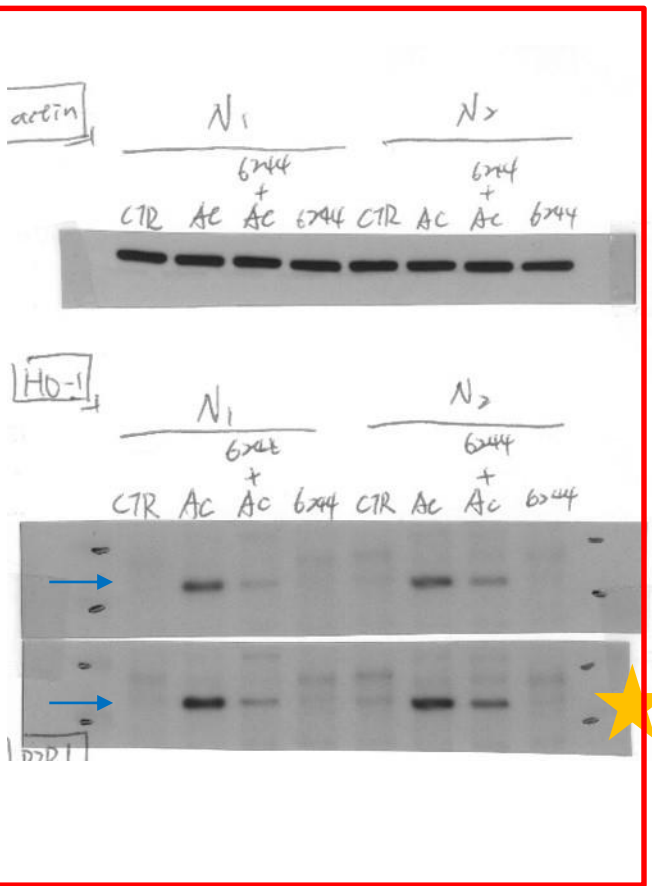


Fig2c Effect of selumetinib on acrolein-elevated HO-1

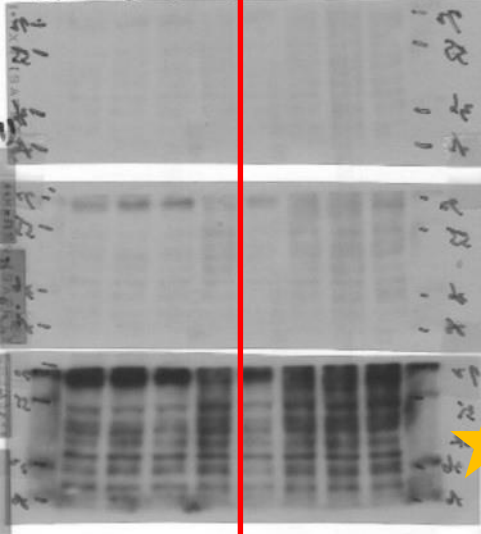


Brady

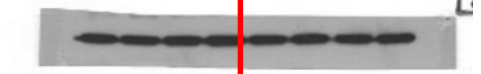


Fig3a Acrolein-induced Ac-FDP: concentration-dependence

Acrolein-FDP
30 μ M >4h
(1) 0 3 8 24 0 10 20 30 μ M

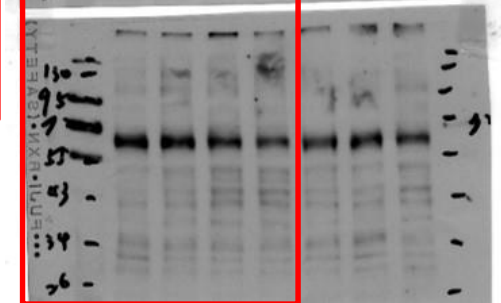
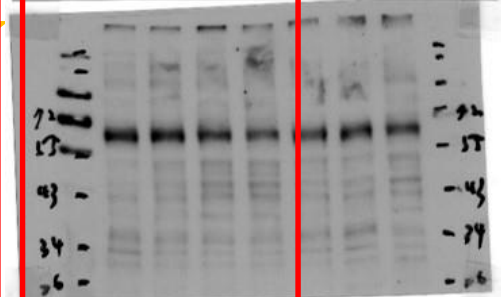
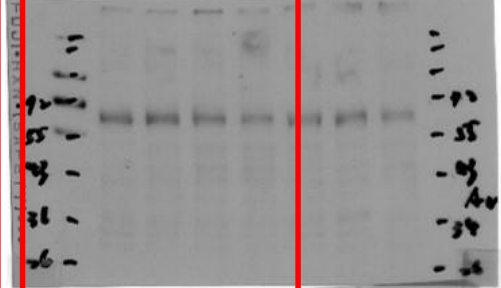


Actin



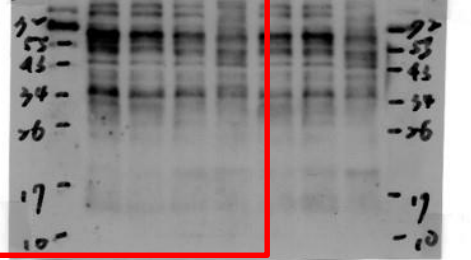
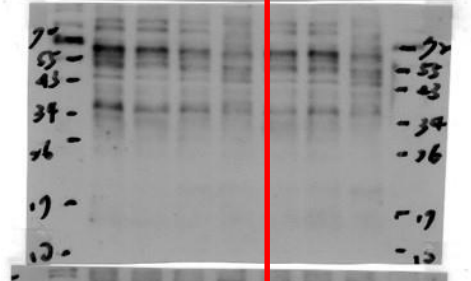
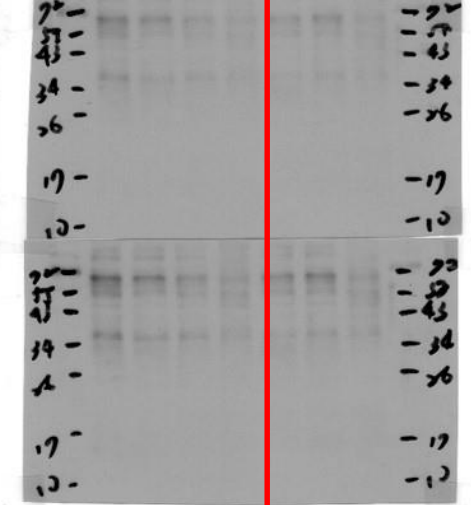
Ac-FDP

Ac 674 + Ac 674
30 20 10 0



Ac

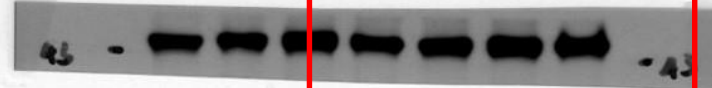
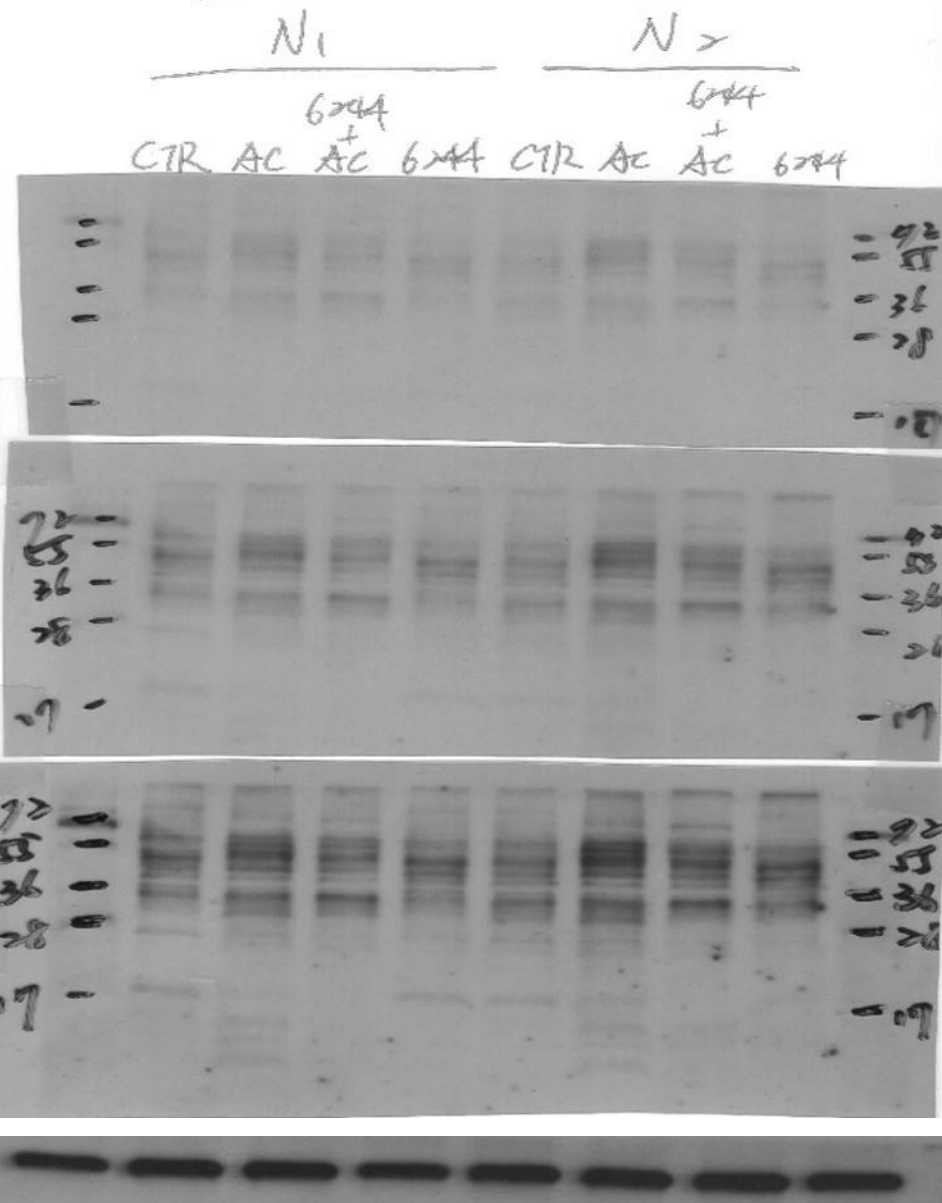
Ac (μM) 30 20 10 0 Ac 674 Ac 674



β -actin

Fig3b Effect of selumetinib on acrolein-elevated Ac-FDP

Acrolein



Acrolein-FDP

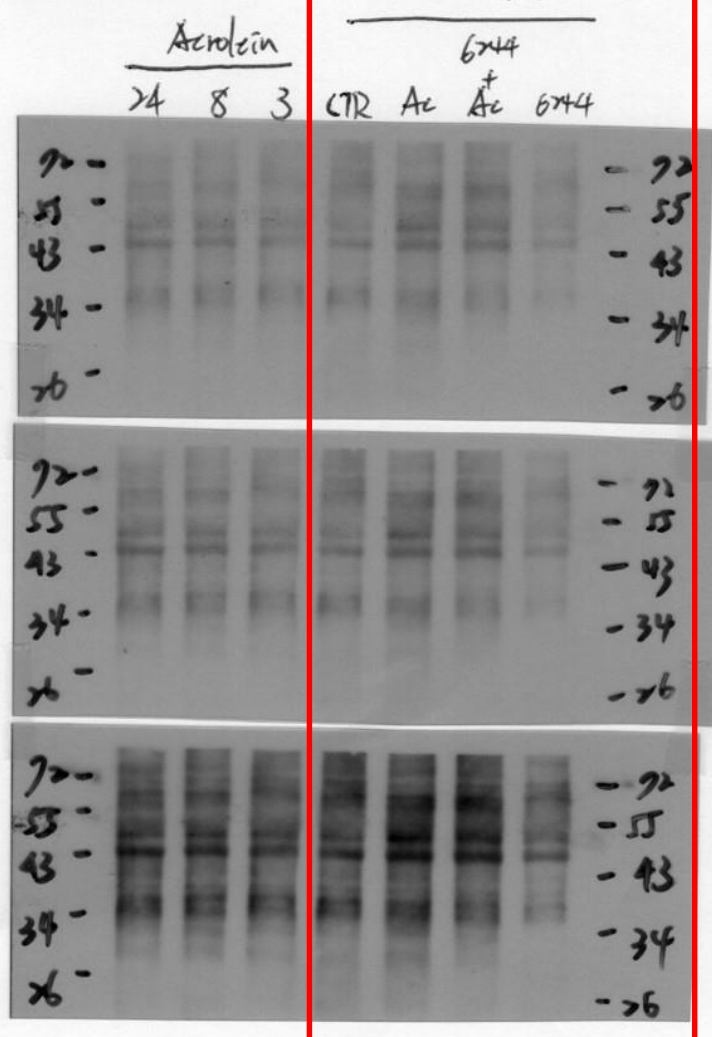


Fig3c Effect of selumetinib on acrolein-elevated α -synuclein aggregates

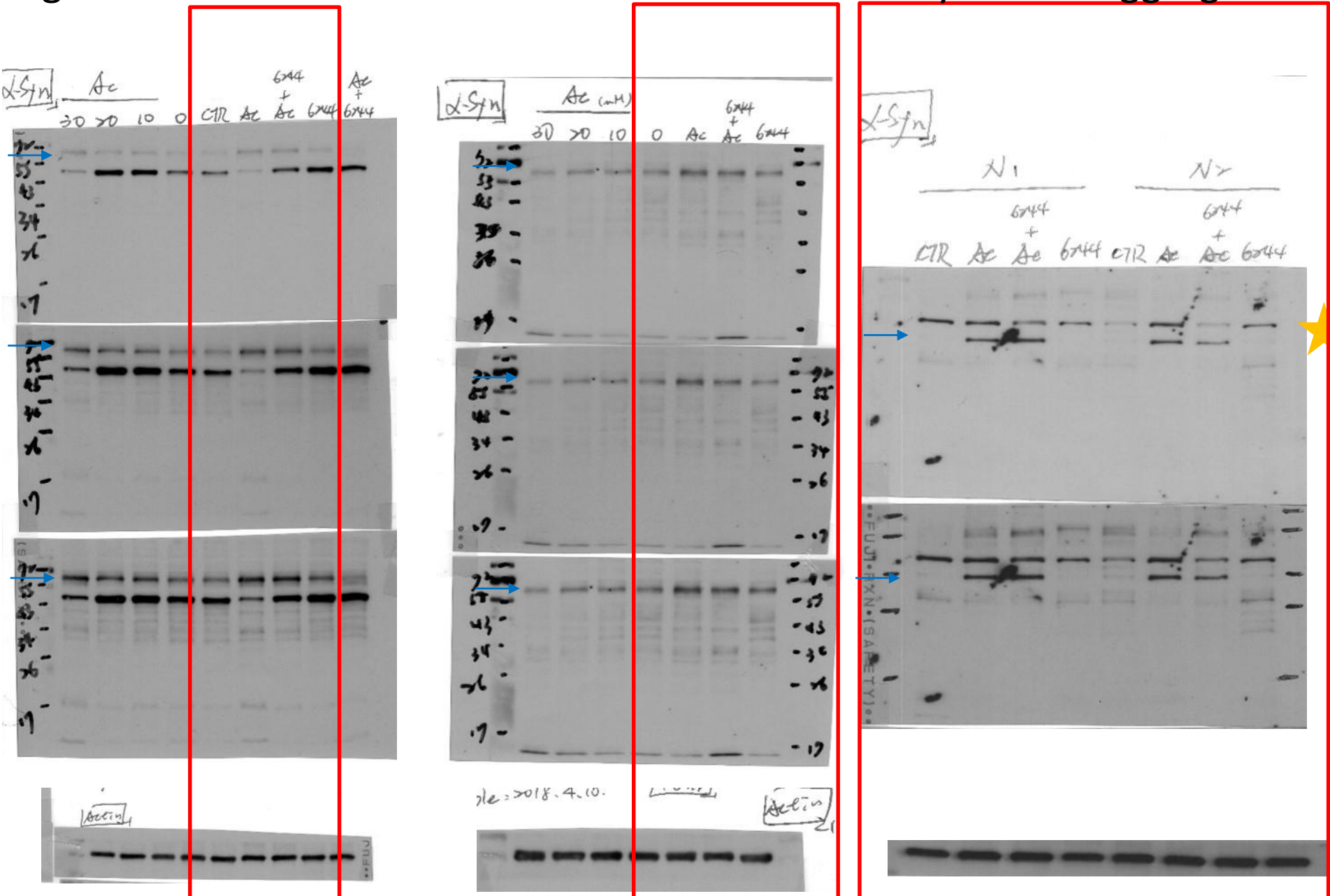


Fig6a Acrolein-induced apoptosis: concentration-dependence

Sample: 4-15 Ac10
Sample: 4-17 Ac30 6h

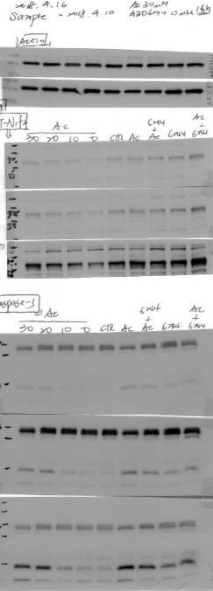
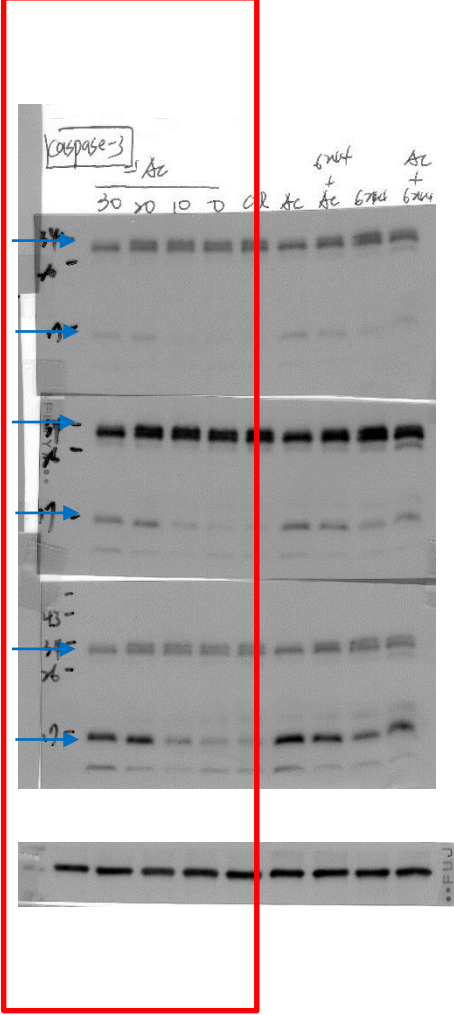
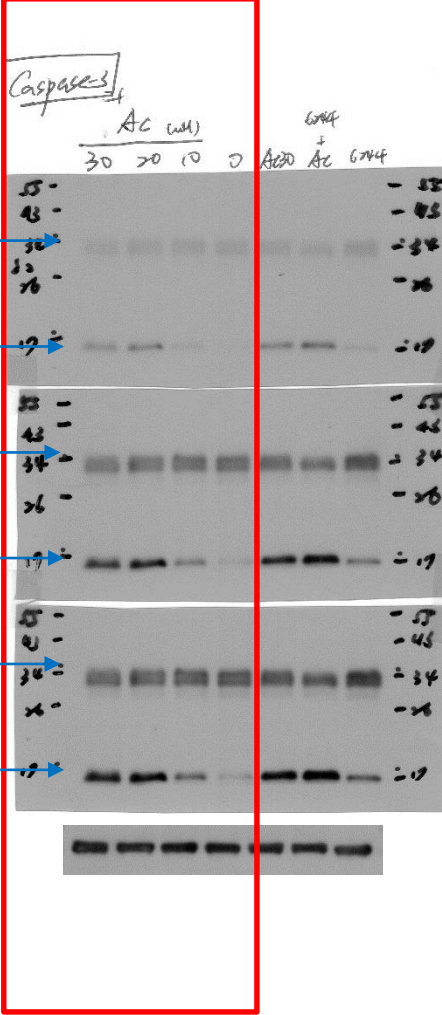
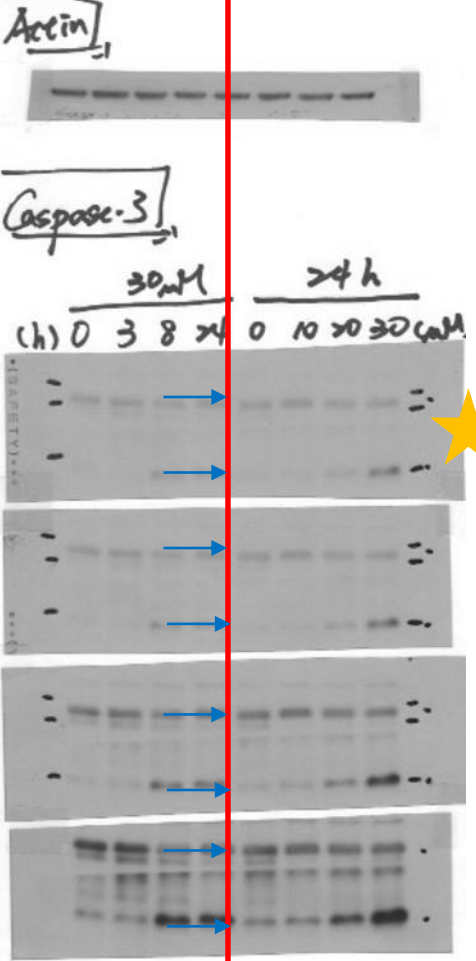
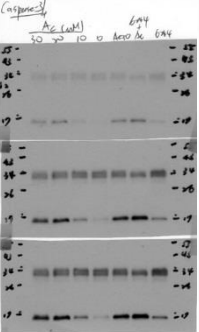
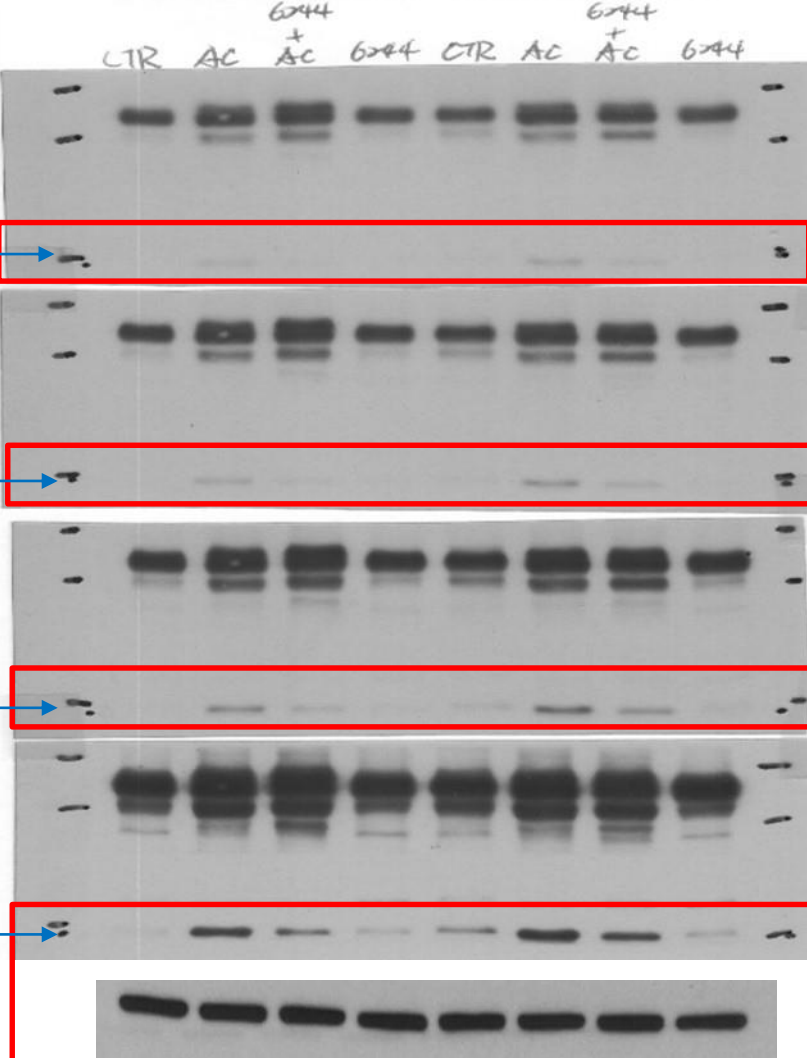


Fig6b Effect of selumetinib on acrolein-induced apoptosis

2018. 2. 20.
 Sample = 2018. 1. 22. Ac 30μM.
 AZD6244 10μM.

Caspase-9
 >4hr
 N₁ N₂



Sample: 2017-12-5 B2V co.
 Ac 30μM. AZD 6244 10μM 24hr.
 2018. 3. 12.

Caspase-3

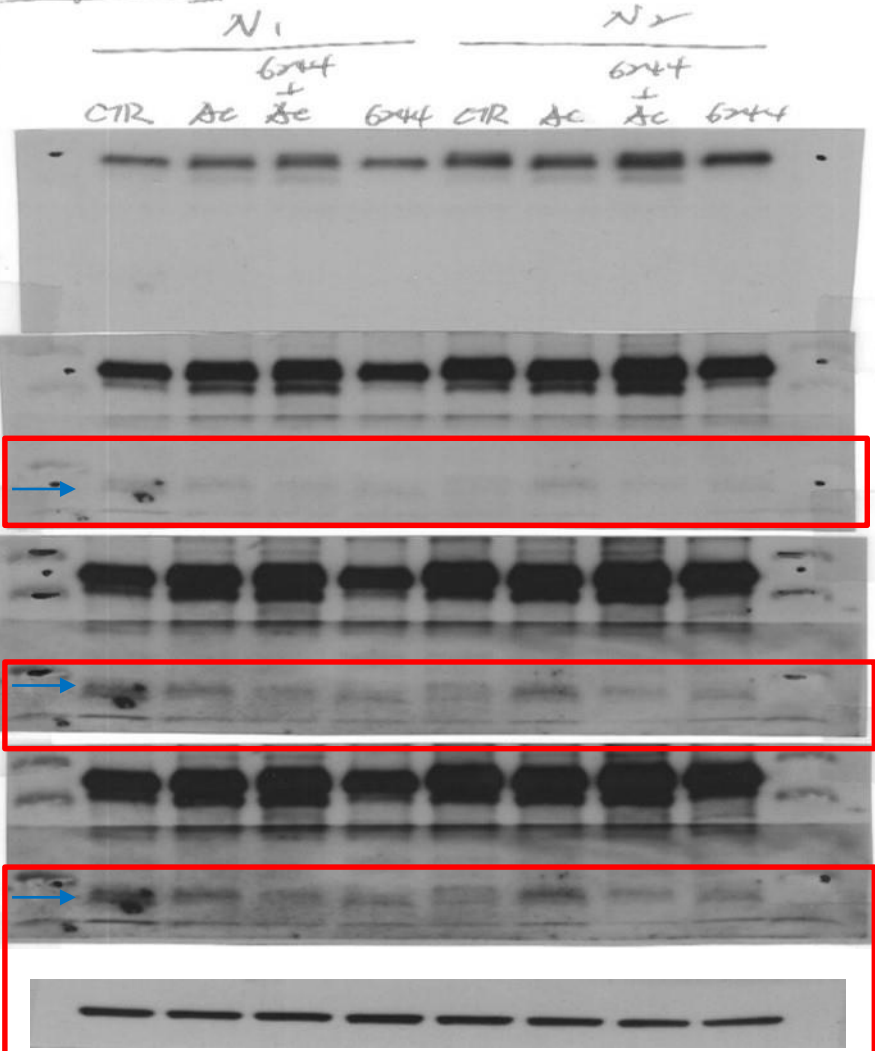


Fig6c Acrolein-induced necroptosis: concentration-dependence

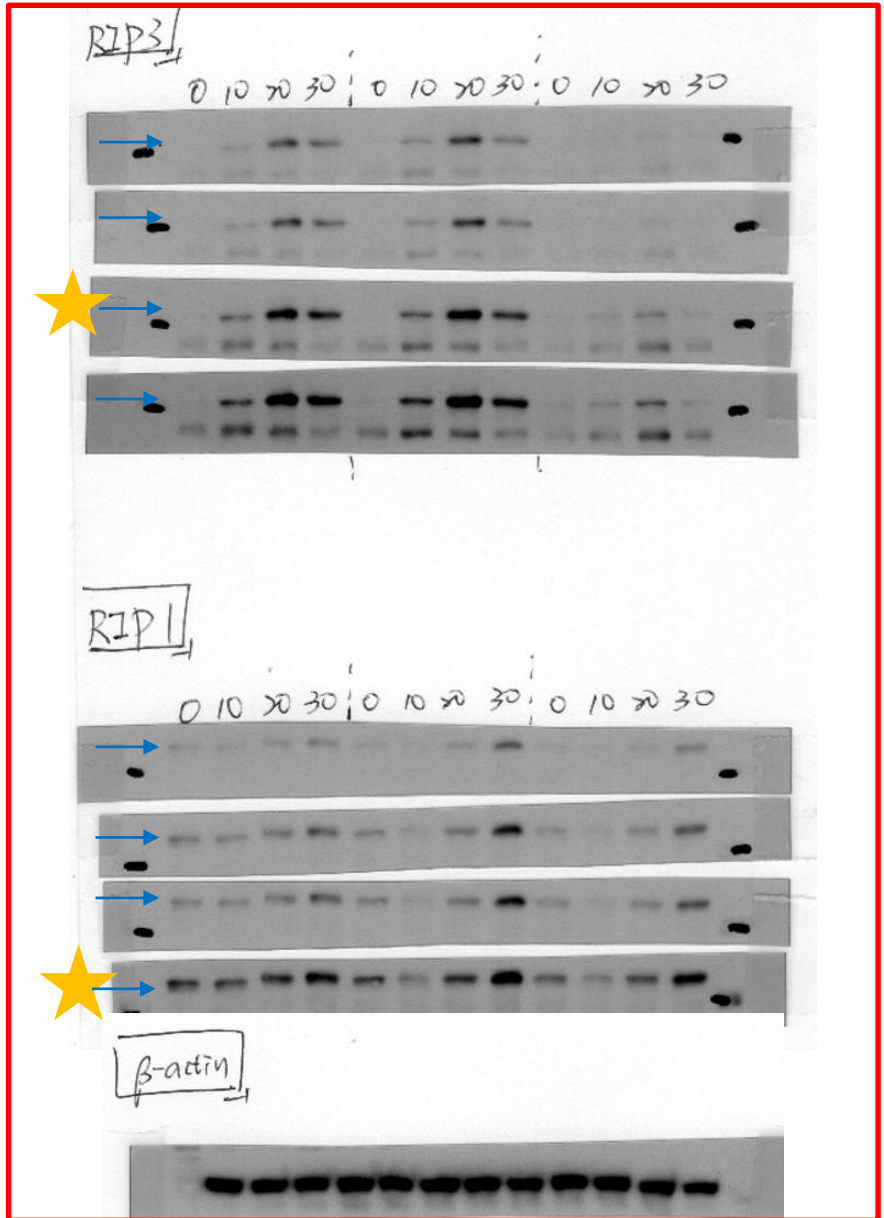


Fig6d Effect of selumetinib on acrolein-induced necroptosis

