

# **Hepatospecific ablation of p38 $\alpha$ MAPK governs liver regeneration through modulation of inflammatory response to CCl<sub>4</sub>-induced acute injury**

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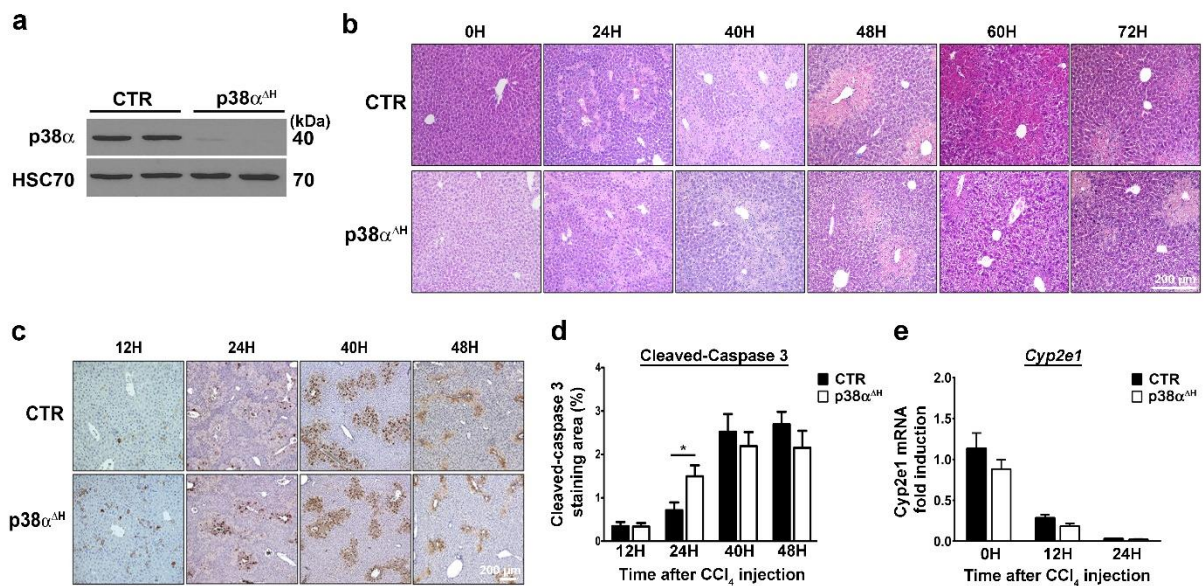
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## Supplementary figures

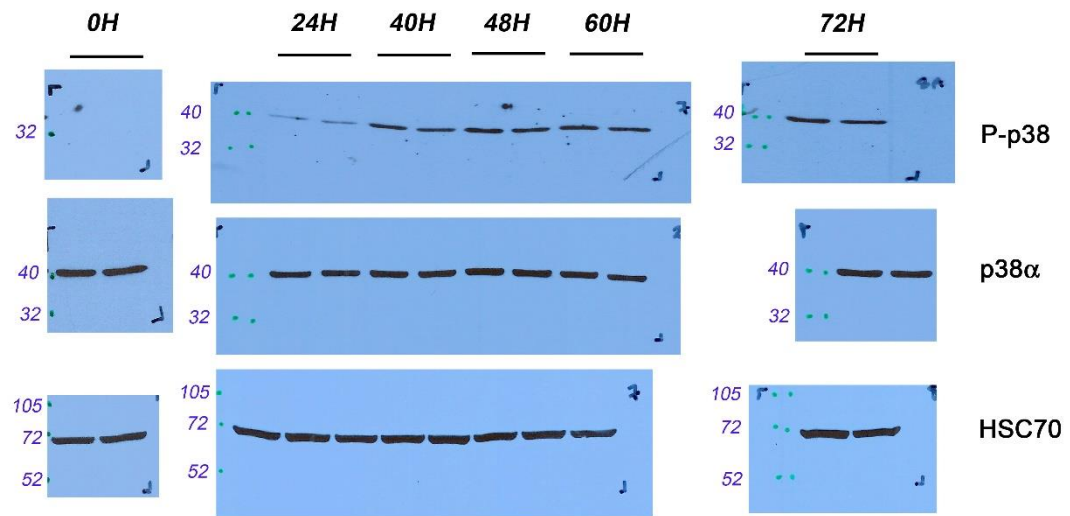


### Supplementary Figure 1. Apoptosis and CCl<sub>4</sub> bioactivation are not impaired in p38 $\alpha^{\Delta H}$ mice during acute liver injury.

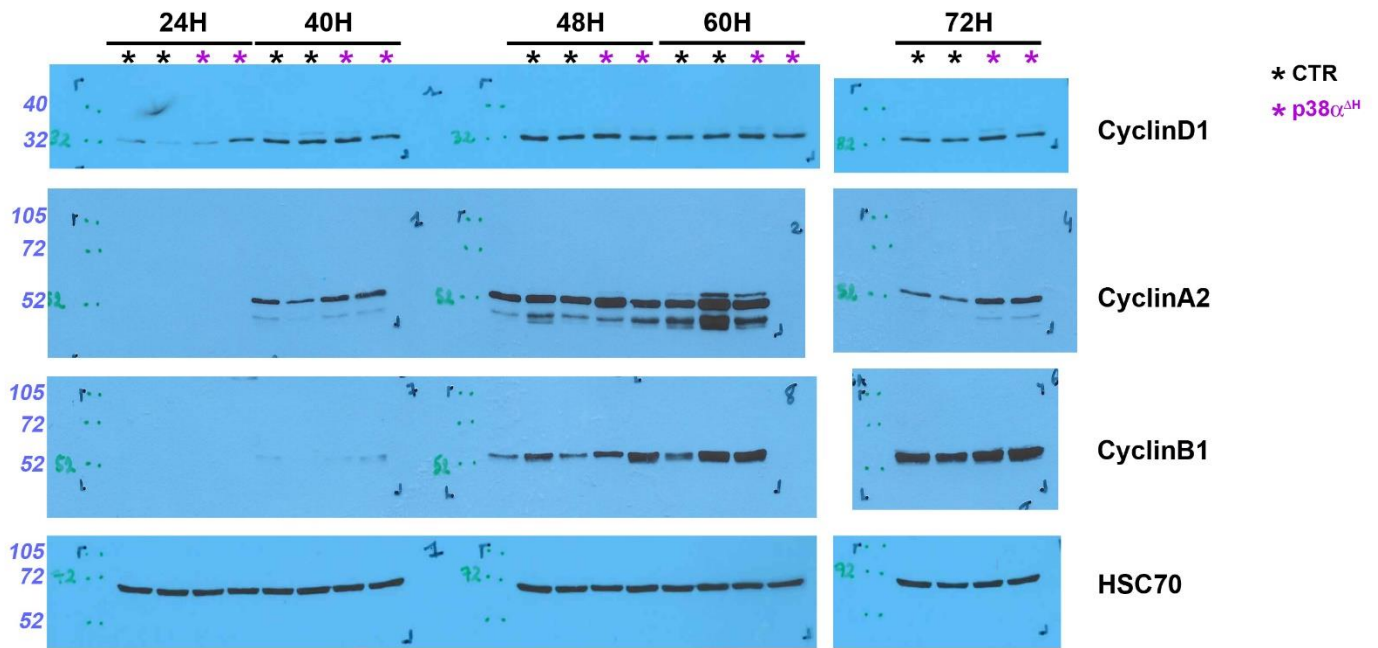
- a)** Immunoblot analysis of p38 $\alpha$  isoform in CTR and p38 $\alpha^{\Delta H}$  liver samples in steady state conditions. HSC70 served as a loading control. Lanes show samples from independent biological replicates. The displayed figure was cropped and the original images are part of the supplementary data.
- b)** Magnification of necrotic area related to Figure 2b, in CTR and p38 $\alpha^{\Delta H}$  livers at different times after CCl<sub>4</sub> exposure.
- c)** Representative Cleaved-Caspase 3 immunohistochemistry of CTR and p38 $\alpha^{\Delta H}$  liver sections at indicated time points after CCl<sub>4</sub> injection.
- d)** Quantitative analysis of Cleaved-Caspase 3 labeled CTR and p38 $\alpha^{\Delta H}$  liver sections (percentage of brown area). Data represent the mean  $\pm$  SEM ( $n \geq 4$  per group).

\* $p < 0.05$  (two-tailed t-test).

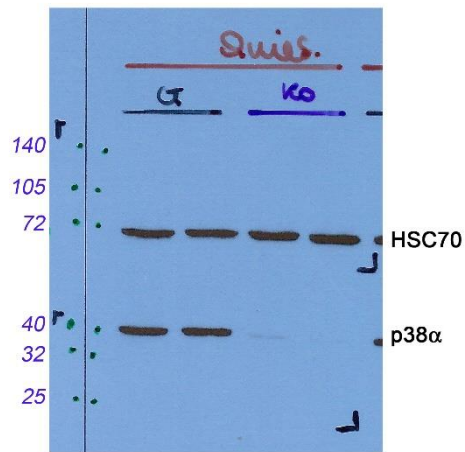
e) Relative mRNA level of *Cyp2e1* measured by quantitative PCR in CTR and p38 $\alpha^{\Delta H}$  liver samples before (0H) and after CCl<sub>4</sub> injection (12H-24H). Gene expression levels were normalized to the abundance of *18s* mRNA for each sample. Data represent the mean  $\pm$  SEM ( $n \geq 6$  per group).



**Supplementary Figure 2. Original pictures from Western blot membranes related to Figure 1b.**



Supplementary Figure 3. Original pictures from Western blot membranes related to Figure 3e.



**Supplementary Figure 4. Original pictures from Western blot membranes related to Figure Supplementary 1a.**