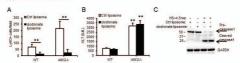
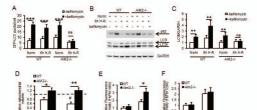


Supplemental Figure 1: AMI2 is liver protective during hemorrhagic shock (A) Western blot of capase-in INV and AMI2-I. liver protective during hemorrhagic shock (A) Western blot of resuscitation (res). (B) Cell death and (C) Representative starting (scale ba=100µm) in heres of ControlAMI2-III resident Selfs as assessed by TMR starting (re-30p control. -175p HSR*, "P-0.01). Production (res) and resident Selfs as assessed by TMR starting (re-30p control. -175p HSR*, "P-0.01). Production (res) and resident Selfs (res)



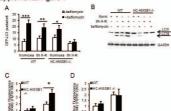
Supplemental Figure 2: AIM2-mediated caspase-1 activation and hepatoprotection is not dependent on liver macrophages during hemorrhagic shock (A) Quartification of immunolluorescent staining of liver macrophages (Lip64 cells) firm control liposome-treated (macrophage-depited) mice after HS-4 fix of resuscitation (n=10gp, "P=0.01); (B) Plasma ALT in Control AIM2-T- mice treated with Control liposome-floodronate liposome either HSR (n=3gp control, n=8gp HSR, "P=0.01); (C) Representative western blot of caspase-1 in VT liver lysates from controllociforonate liposome florosent liposome treated florosent liposome

PolvidAdT)



Supplemental Figure 3. AIM2 is essential for up-regulation of mitochondrial autophagy in hepatocytes after redox stress. (A) Autophagosomes (GPP-LCI puncta) in VTTAILE2 in hepatocytes after fredox stress. (A) Autophagosomes (GPP-LCI puncta) in VTTAILE2 in hepatocytes district of hypoxoa fil necognosisment-Aladimorphic (III, 600M) (PP-QC 001), (E) LC3 and LC3 of the control of th

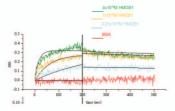
6h H-R



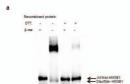
Supplemental Figure 4: HMGB1 is essential for up-regulation of mitochondrial autophagy in hepatocytes after redox stress. (A) Autophagosomes (GFP-LC3 puncta) in WT/HC-HIMGB1-/-hepatocytes after 6h hypoxia/1h recoveration+/-bafforwcin (th. 50ml)

Rh H.D

(PP-Q 05: PP-Q 01): ***PP-Q 001); (B) LC3 levels in WTH-MIGSH-I- hepstocytes after 6th hypoxial the recognization 4- Andimorush (tr.) Souldly, data representative of a lexal 3-separate repeats, (c) Mitochondrial and (f) cytosolc ROS measured by HyperHitto or HyperCyto fluorescence respectively in hepstocytes after 6th hypoxial The recognization (*PP-Q 05). Data shown are representative of 3 independent experiments. Data shown are representative of 3 independent experiments.



Supplemental Figure 8: HMGB1 binds AIM2 in a concentration-dependentmanner. Representable, associated disociation curves of AIM2 with increasing concentrations of HMGB1. So25 biosensors load with 250 hIG ST-AIM2 and introduced into solutions containing 0.25, 1 or 4x10*M HMGB1 or bovined serum albumin (ISA-neasitive control). Experiments repeated 3 times.



Supplemental Figure 6: Recombinant HMGB1 is fully reduced after 5mM DTT. Mobility shift assay of 1µg Myc-HMGB1 recombinant protein under oxidizing (350 mM β-ME) or reducing (5mM DTT) conditions for 10min. Data shown are representative of 3 independent experiments.