

Supplementary Information

The effects of meldonium on the acute ischemia/reperfusion liver injury in rats

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Supplemental Information to Figure 1: Original Western blots of whole liver homogenates and serum. Boxed area indicates the cropped area used in Figure 1A, 1B and 1C.

Figure 1. Representative immunoblots of protein expression levels: A) liver Bax/Bcl-2 ratio, and liver and serum HMGB1 expression; B) liver Hp and HO-1 expression; and C) liver p-Nrf2 and p-NF- κ B p65 expression, and p-NF- κ B p65/p-Nrf2 ratio. β actin was used as a loading control. Experimental group abbreviations: S – sham-operated rat group; S+M – sham-operated + meldonium rat group; I/R – ischemia/reperfusion rat group; I/R+M – ischemia/reperfusion + meldonium rat group.

Figure 1A. Bax

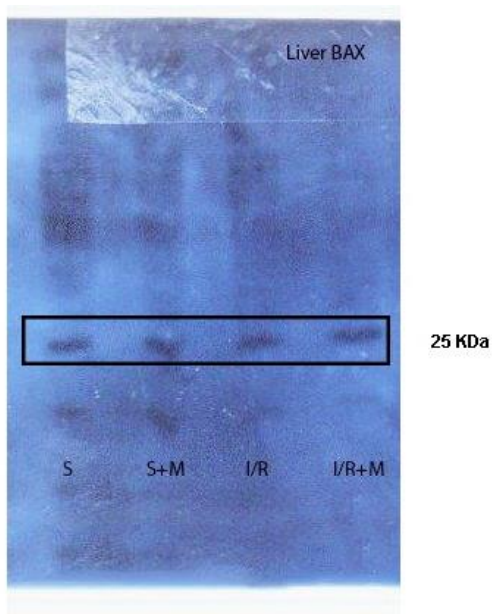


Figure 1A. Bcl2

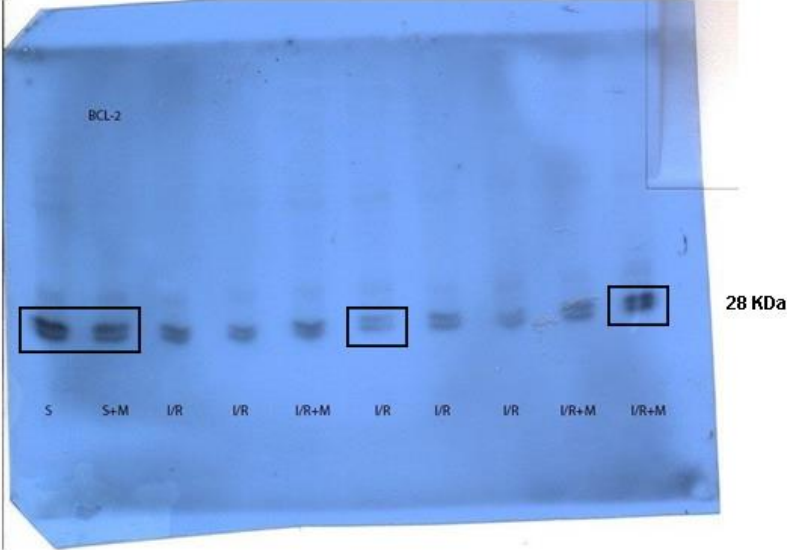


Figure 1A. HMGB1 serum

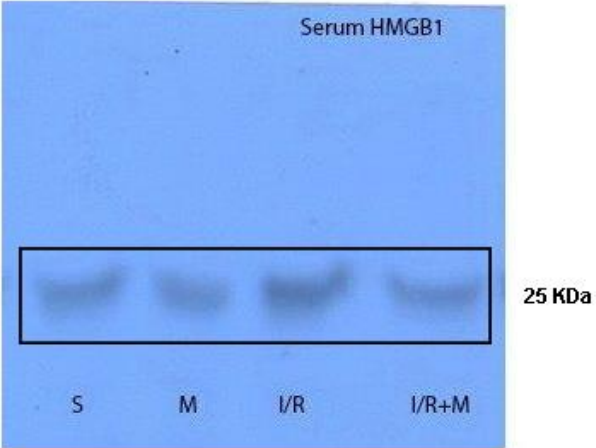


Figure 1A. HMGB1 liver

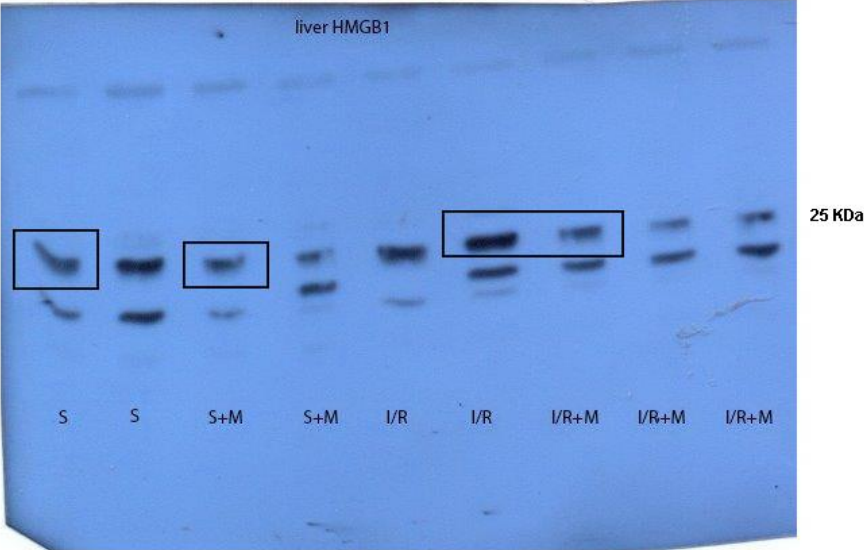


Figure 1B. Hp

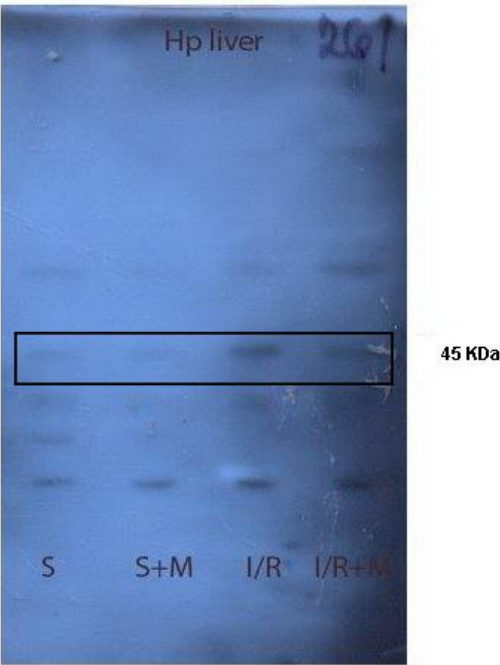


Figure 1B. HO1

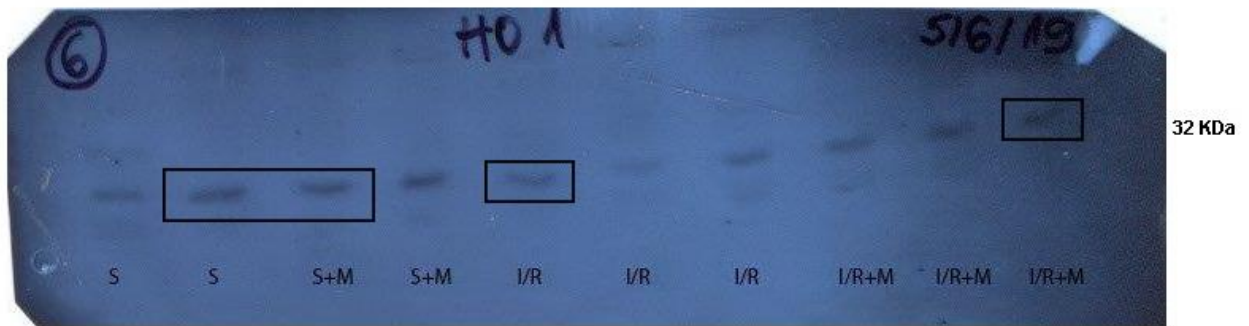


Figure 1C. p-Nrf2

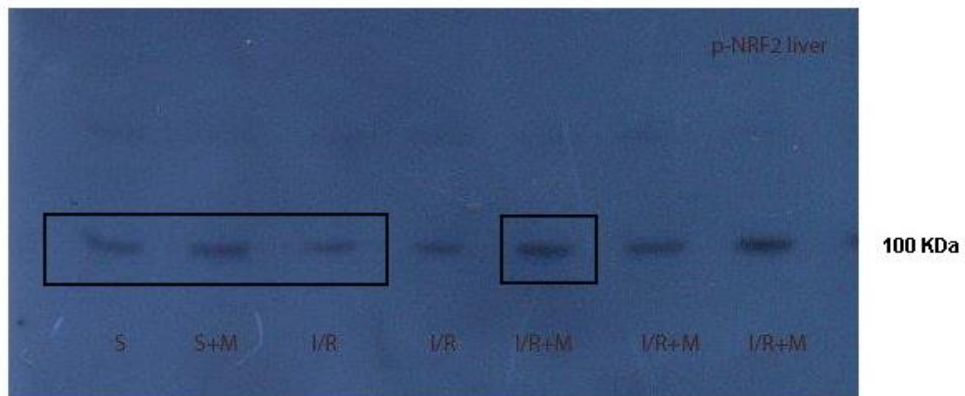
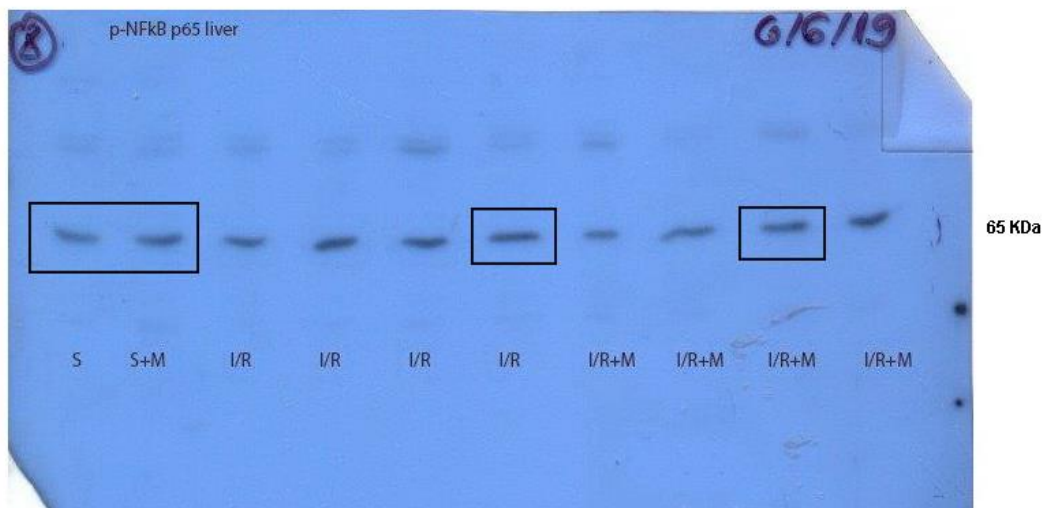


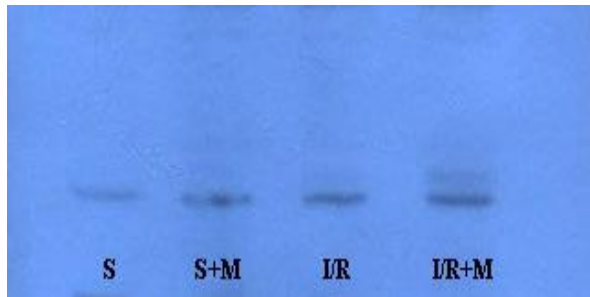
Figure 1C. p-NFkB p65



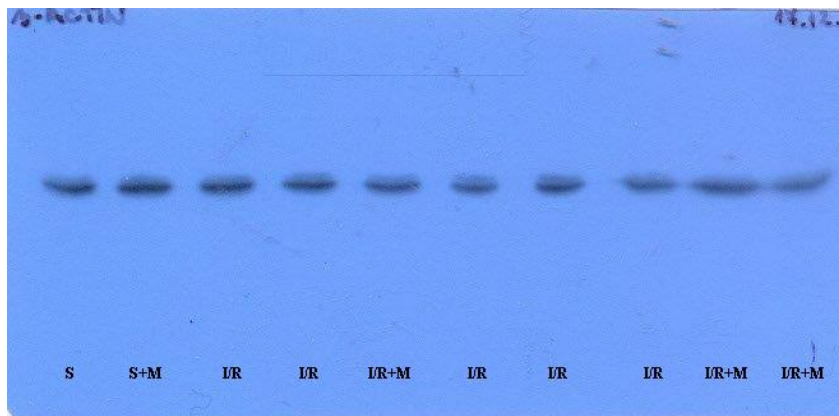
Original Western blots of whole liver homogenates with β ACTIN antibody

β ACTIN 1. Original Western blot of β Actin from main Figure 1A, Bax and Bcl2; Fig. 1B, Hp and HO-1

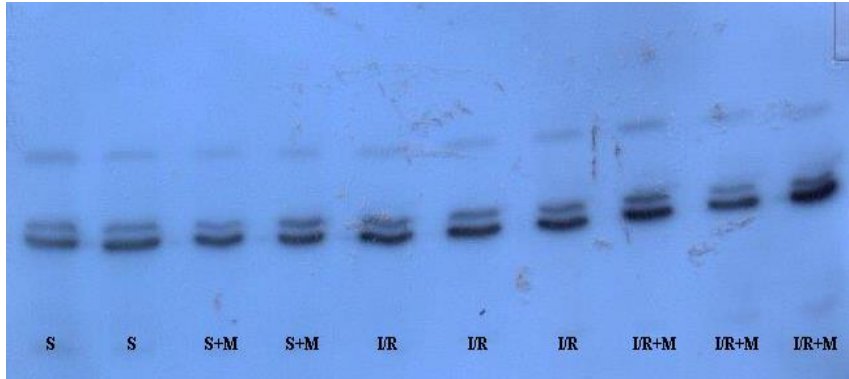
The protein samples indicated in boxed area (Supplement Fig. 1A, Bax and Bcl2; Fig. 1B, Hp and HO-1) were used for extra β actin Western blot presented in this manuscript.



β ACTIN 2. Original unprocessed Western blot of β Actin from main Figure 1A. Bcl2



β ACTIN 3. Original unprocessed Western blot of β Actin from main Figure 1B. HO-1

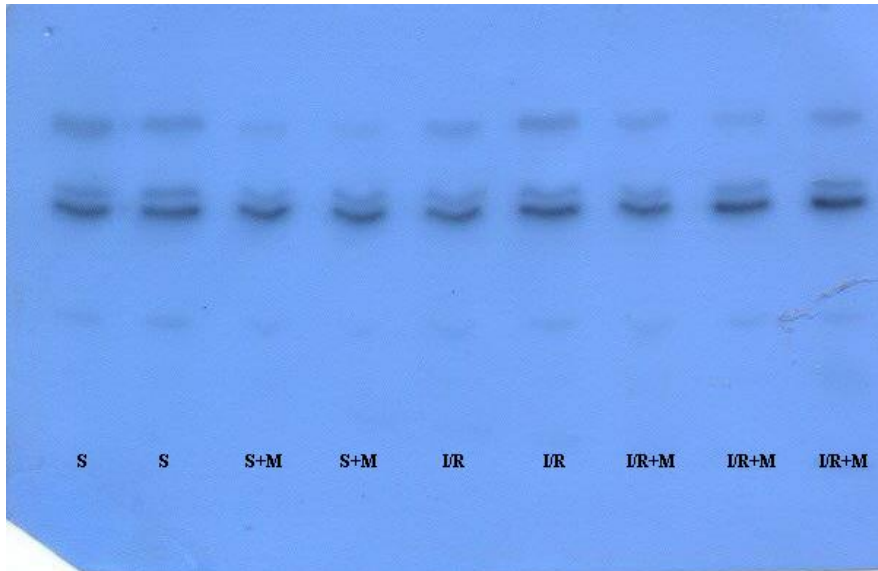


β ACTIN 4. Original Western blot of β Actin from main Figure 1A. HMGB1 liver

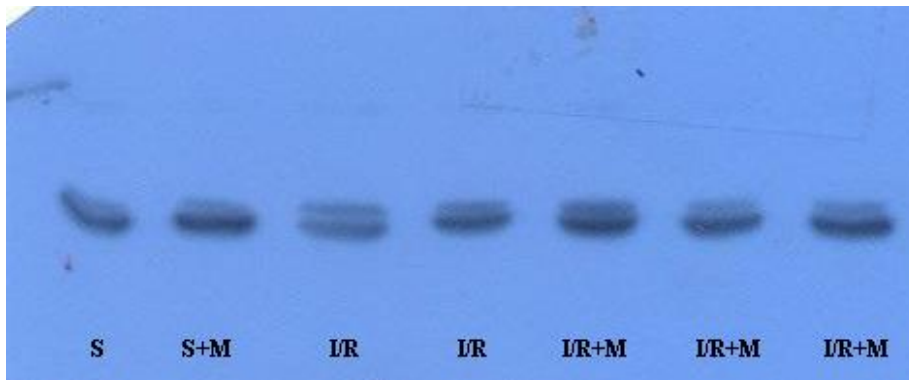
The protein samples indicated in boxed area (Supplement Fig. 1A, HMGB1) were used for extra β actin Western blot presented in this manuscript.



β ACTIN 5. Original unprocessed Western blot of β Actin from main Figure 1A. HMGB1 liver



β ACTIN 6. Original unprocessed Western blots of β Actin from main Figure 1C. p-Nrf2



β ACTIN 7. Original unprocessed Western blot of β Actin from main Figure 1C. p-NF κ B p65

