

Original western blots for Figure 2A



1% O₂ — + + + + + + +

SFN (μ M) — — 1.25 2.5 5 10 20

Original western blots for Figure 2B

HO-1



β -actin

43 kDa

1% O₂ - + + + + + +

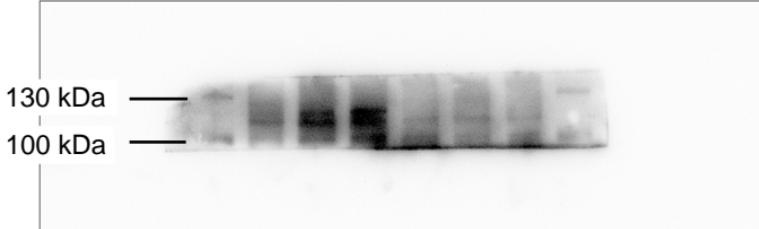
SFN (μ M) - - 1.25 2.5 5 10 20

Original western blots for Figure 2C

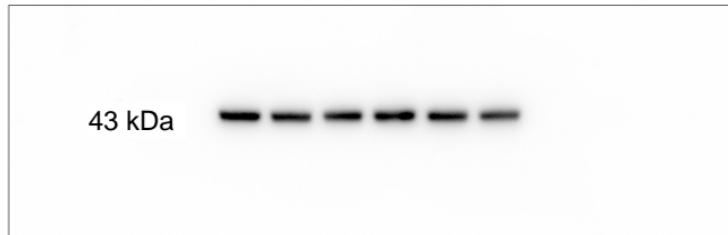
1% O₂+siCON+SFN (μM) 1% O₂+siNrf2+SFN (μM)

0 2.5 10 0 2.5 10

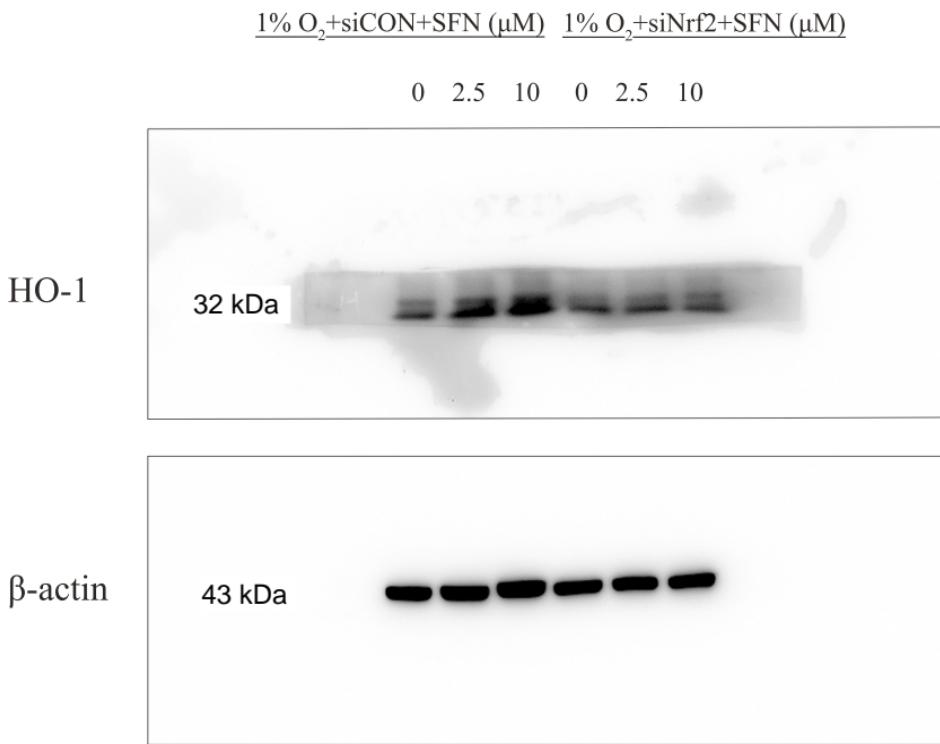
Nrf2



β-actin



Original western blots for Figure 2D



Original western blots for Figure 4A

Drp1

80 kDa

A horizontal row of eight dark grey bands representing Drp1 protein levels across different experimental conditions.

β -actin

43 kDa

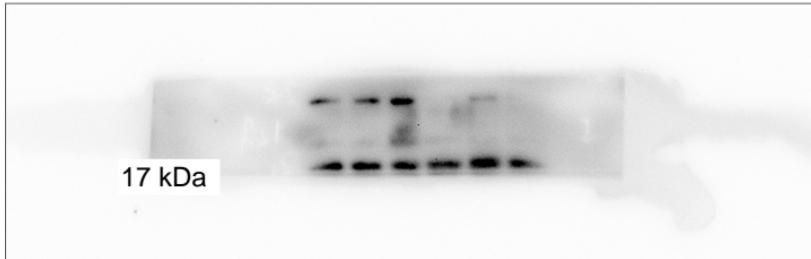
A horizontal row of eight dark grey bands representing β -actin loading control across the same eight lanes.

1% O₂ - + + + + + +

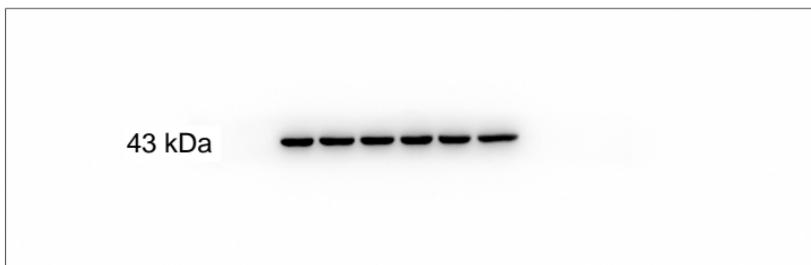
SFN (μ M) - - 1.25 2.5 5 10 20

Original western blots for Figure 4B

Fis1



β-actin



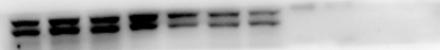
1% O ₂	-	+	+	+	+	+	+
SFN (μM)	-	-	1.25	2.5	5	10	20

Original western blots for Figure 4C

Mfn1

100 kDa

70 kDa



β -actin

43 kDa



1% O₂

— + + + + + +

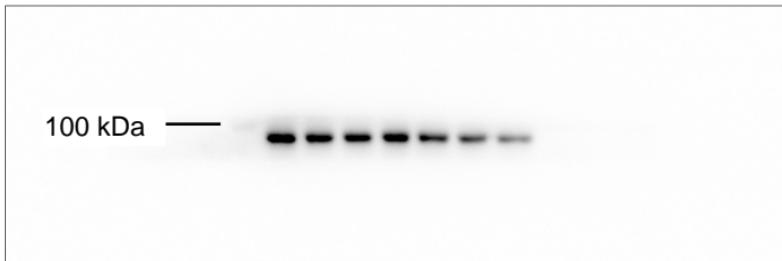
SFN (μ M)

— — 1.25 2.5 5 10 20

Original western blots for Figure 4D

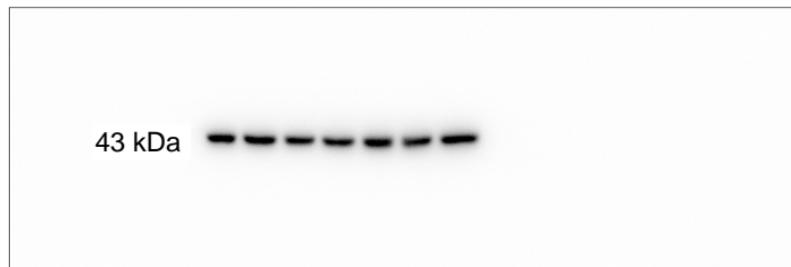
Mfn2

100 kDa



β-actin

43 kDa

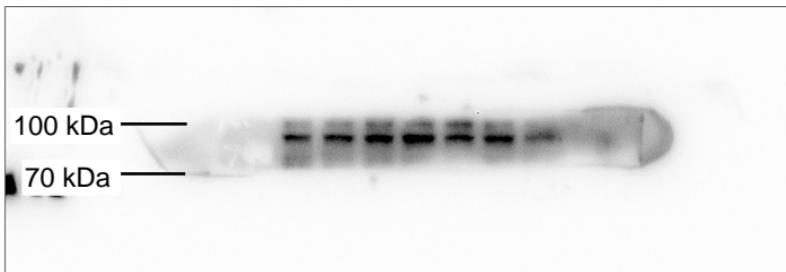


1% O₂ - + + + + + +

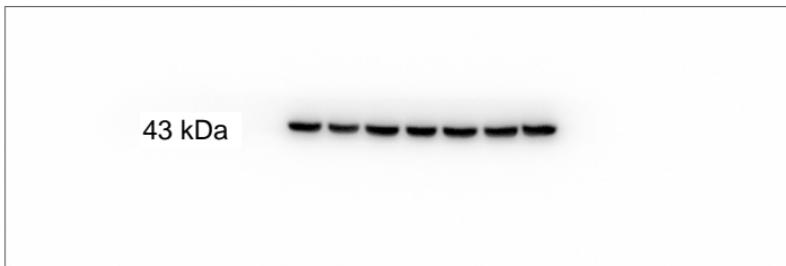
SFN (μM) - - 1.25 2.5 5 10 20

Original western blots for Figure 4E

Opal



β -actin



1% O₂ - + + + + + +

SFN (μ M) - - 1.25 2.5 5 10 20