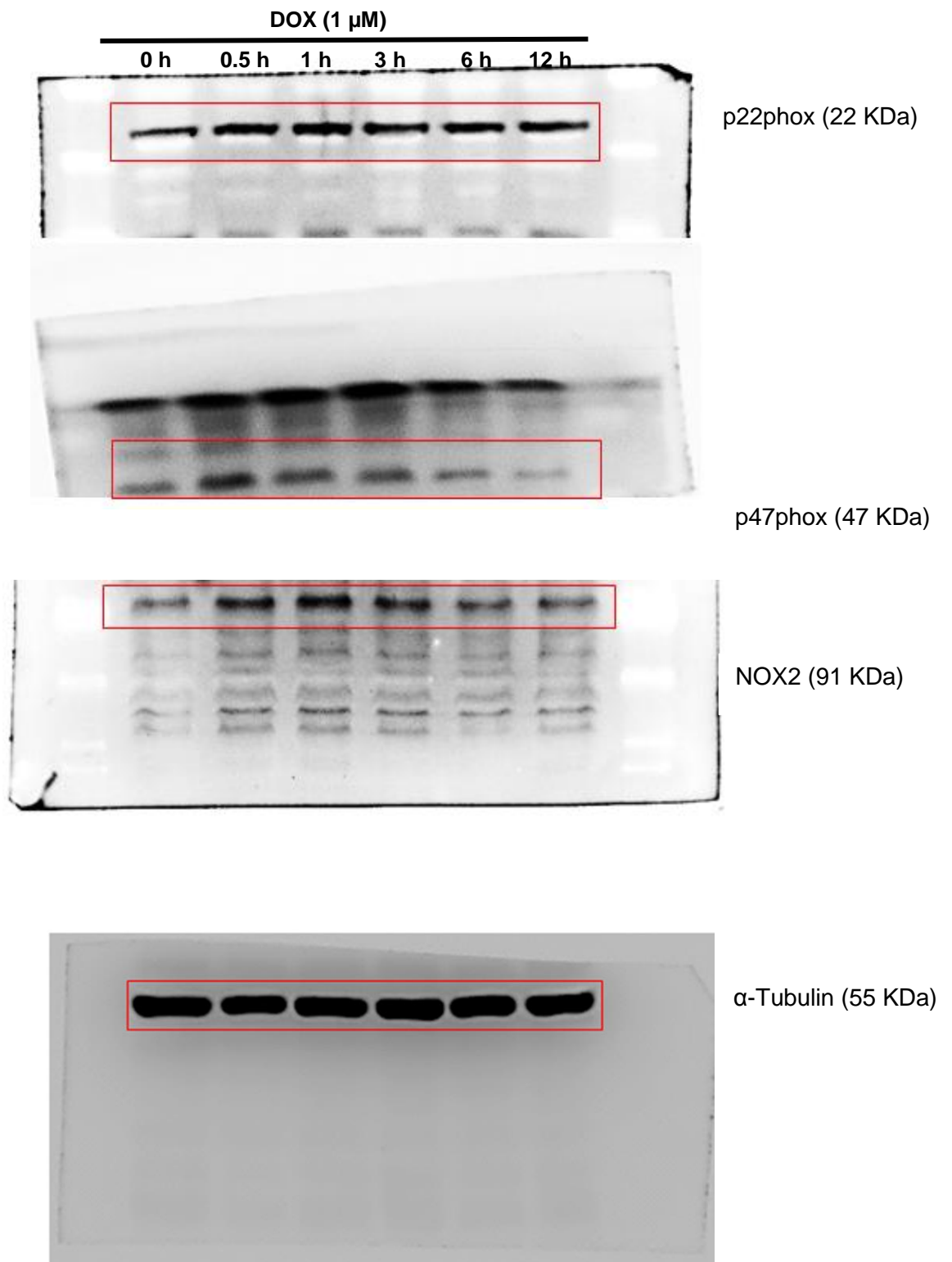


**Neferine ameliorates cardiomyoblast apoptosis induced by doxorubicin:
possible role in modulating NADPH oxidase/ROS-mediated NFκB redox
signaling cascade**

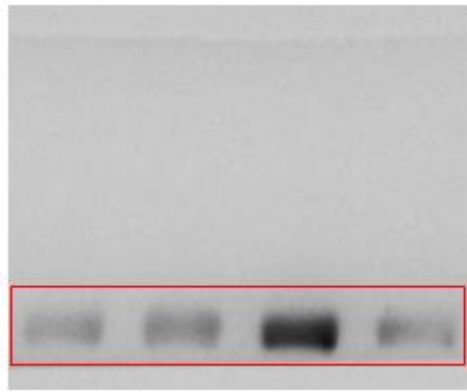
**Lohanathan Bharathi Priya¹, Rathinasamy Baskaran², Chih-Yang Huang^{3,4,5},
Viswanadha Vijaya Padma^{1,3,5,*}**

Supplementary Data S1: Uncropped western blots

1D



1E



p22phox (22 KDa)



p47phox (47 KDa)



NOX2 (91 KDa)



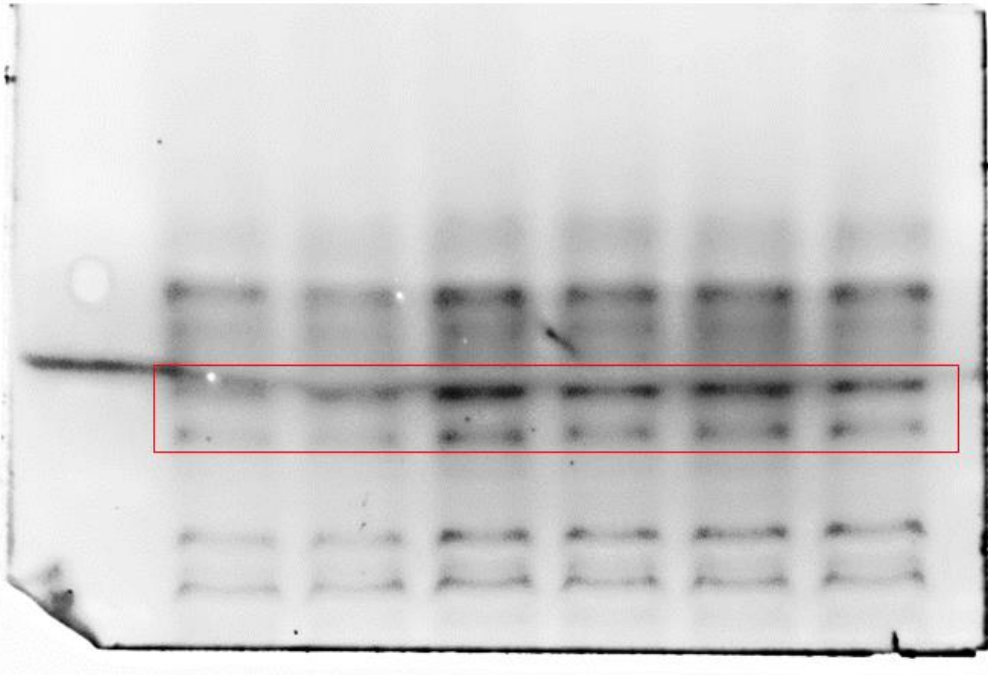
α -Tubulin (55 KDa)

DOX (1 μM)	-	-	+	+
Neferine (10 μM)	-	+	-	+

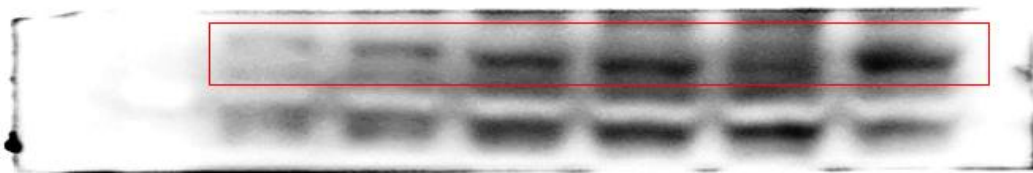
2D

DOX (1 μ M)

0 h 1 h 3 h 6 h 12 h 24 h



p-ERK1/2 (44/42 KDa)

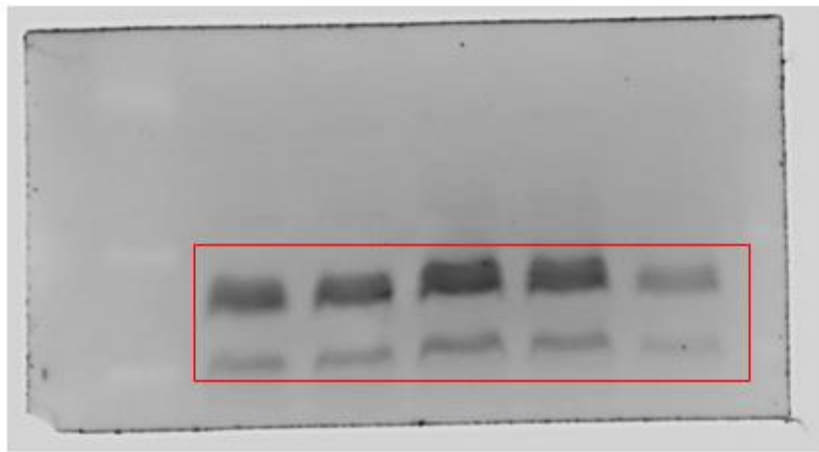


p-p38 (38 KDa)



β -Actin (43 KDa)

2E



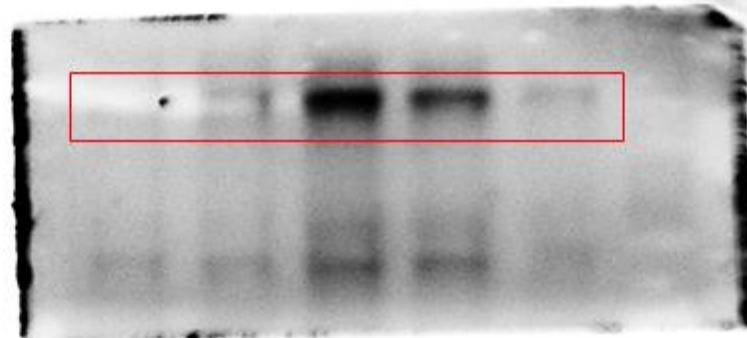
p-ERK1/2 (44/42 KDa)



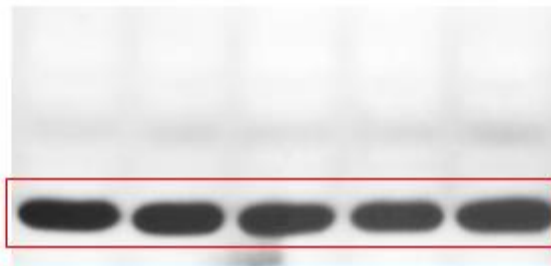
β-Actin (43 KDa)

U0126

- - - - +



p-p38 (38 KDa)



β-Actin (43 KDa)

B203580 - - - - +

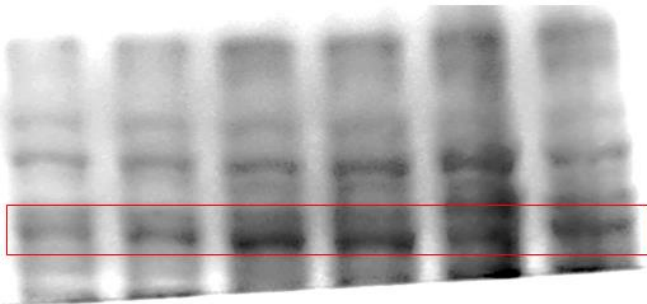
DOX (1 μM) - - + + +

Neferine (10 μM) - + - + -

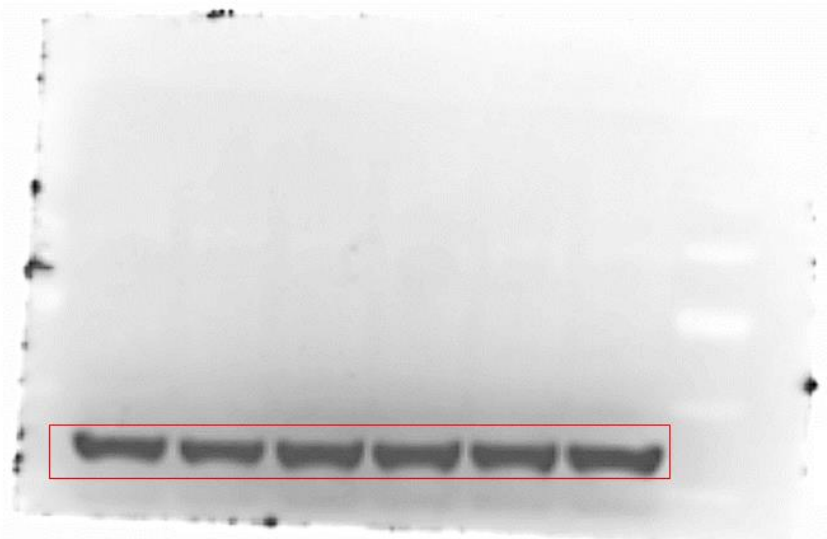
3A

DOX (1 μ M)

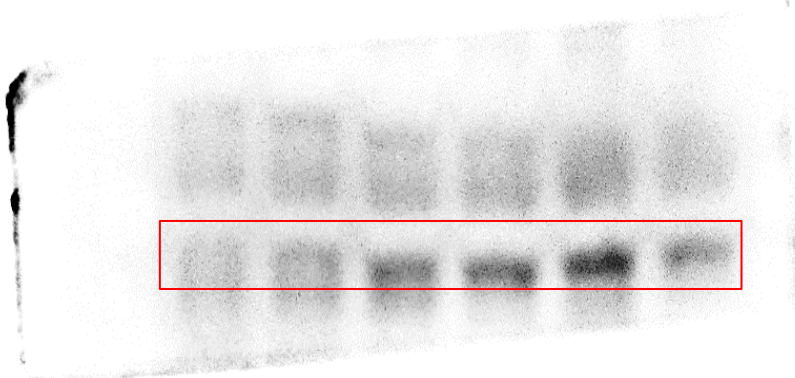
0 h 1 h 3 h 6 h 12 h 24 h



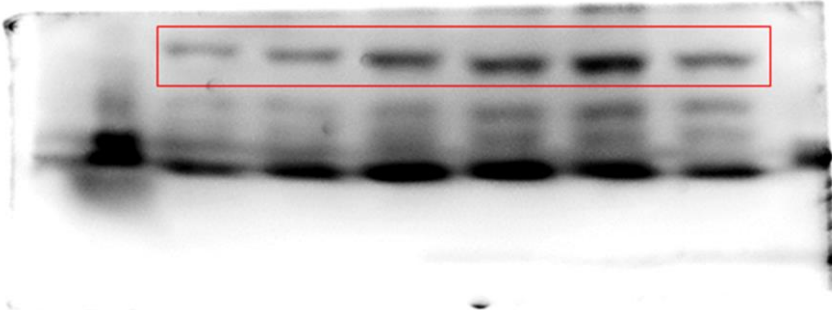
NFkB p65 (65 KDa)



HDAC1 (72 KDa)



COX2 (74 KDa)

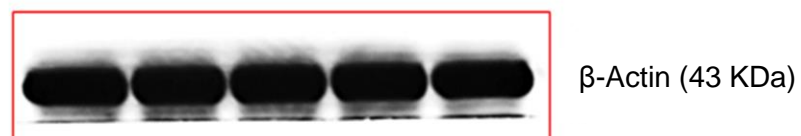
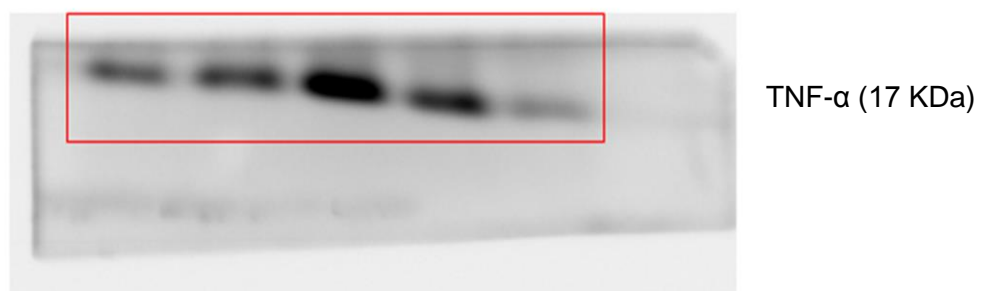


TNF- α (17 KDa)



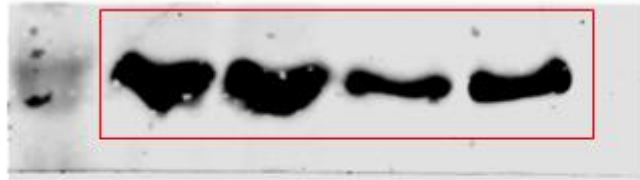
β -Actin (43 KDa)

3B

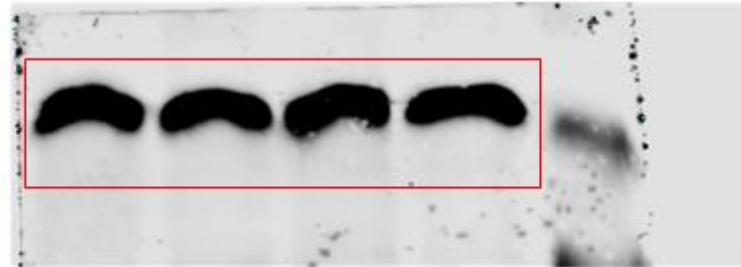


DOX (1 μM)	-	-	+	+	+
Neferine (10 μM)	-	+	-	+	-
QNZ (200 nM)	-	-	-	-	+

5D



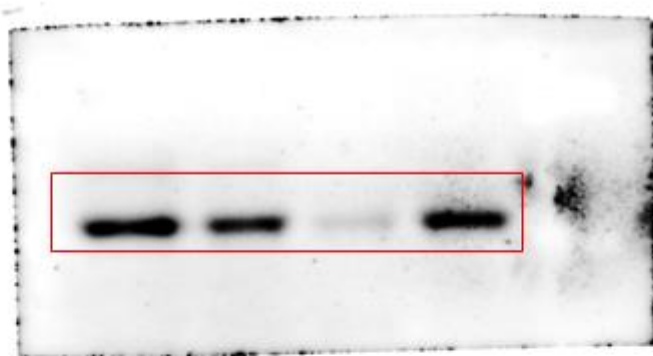
Cyclin D1 (37 KDa)



β -Actin (43 KDa)

DOX (1 μM)	-	-	+	+
Neferine	-	+	-	+

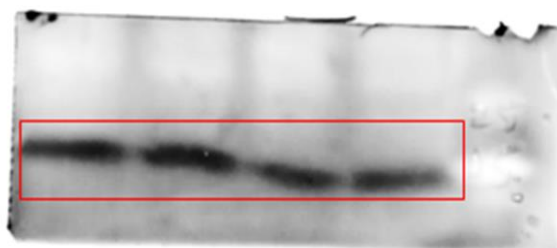
6C



Bcl-2 (26 KDa)



Bax (23 KDa)

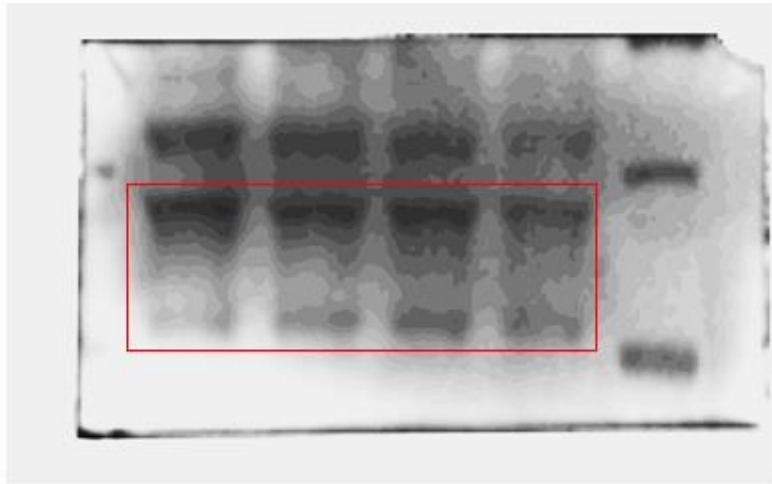


p-Bad (25 KDa)

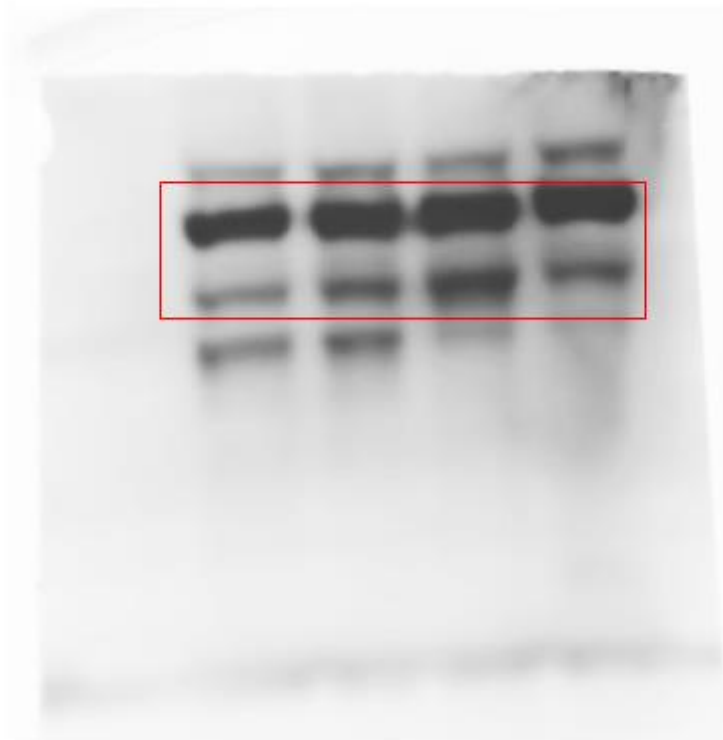


Cytochrome C (15 KDa)

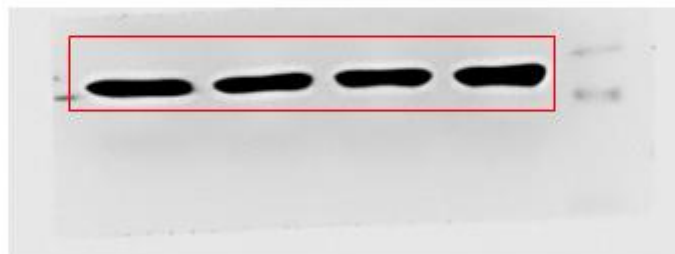
DOX (1 μM)	-	-	+	+
Neferine (10 μM)	-	+	-	+



Cleaved caspase-9 (38/17 KDa)



Cleaved caspase-3 (19/17 KDa)



β -Actin (43 KDa)

DOX (1 μM)	-	-	+	+
Neferine (10 μM)	-	+	-	+