Supplementary Information for

Antitumor effects of chloroquine/hydroxychloroquine via inhibition of NF-κB signaling pathway through abrogation of p47 degradation by autophagy in adult T-cell leukemia/lymphoma cells

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Fig 1C

S1T-CQ

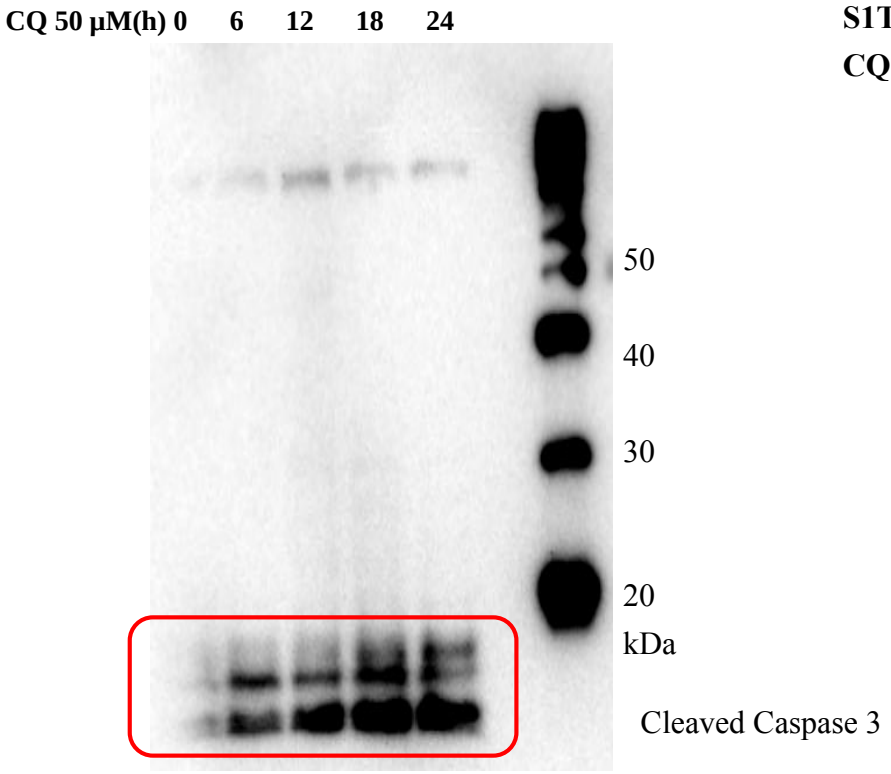


Fig 1C and Fig 2A

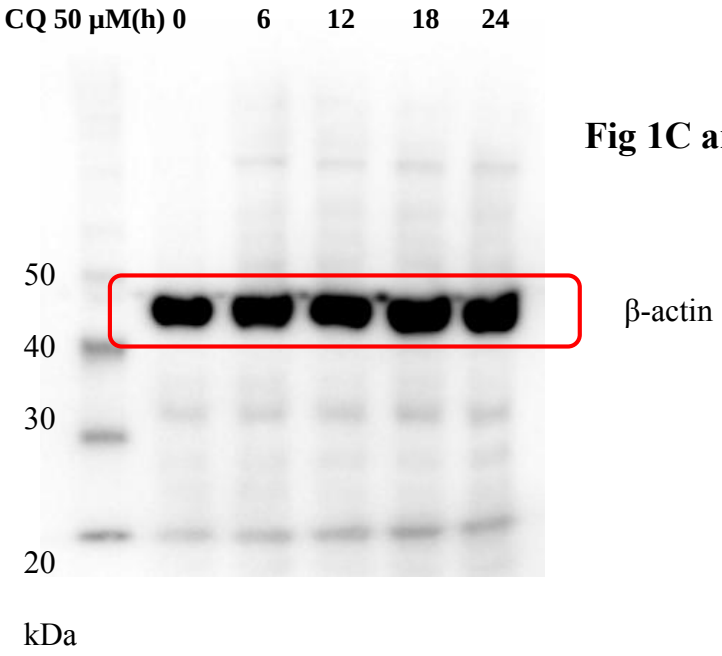


Fig 1C

S1T

HCQ

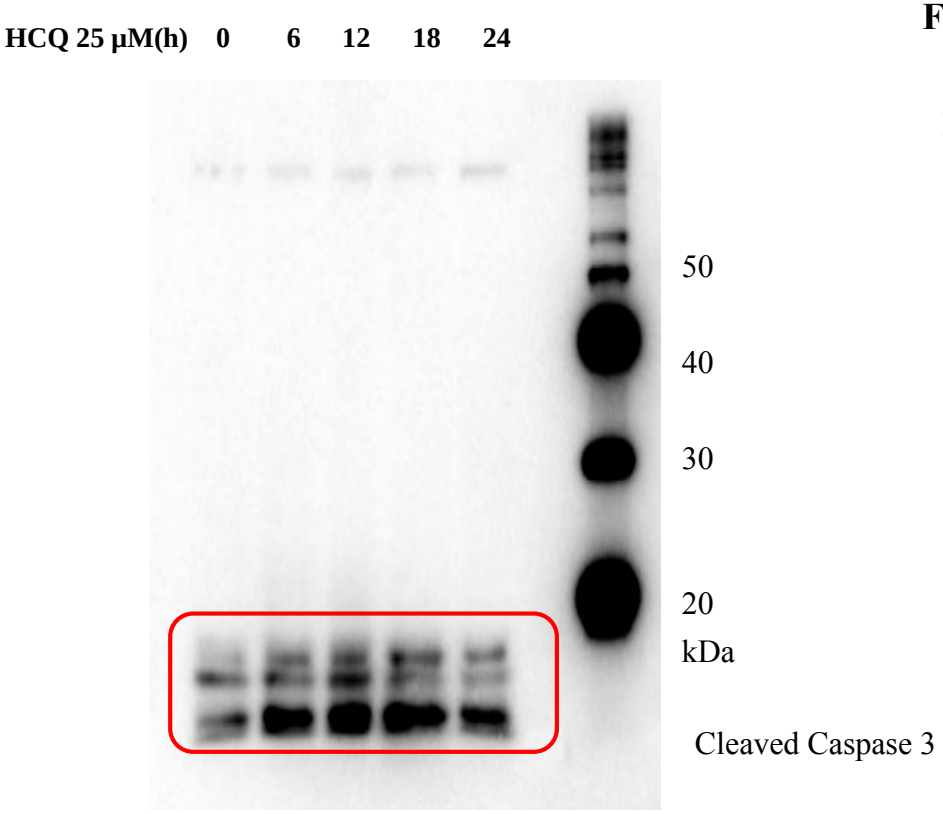


Fig 1C and Fig 2A

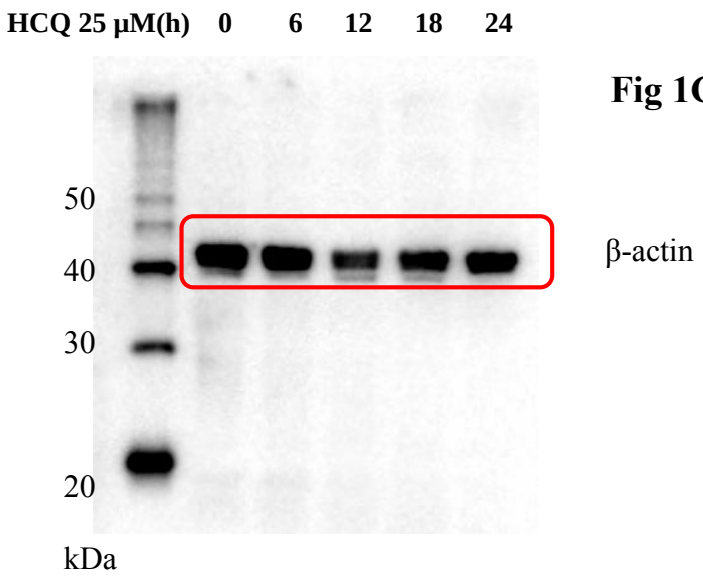


Fig 1C

KK1
CQ

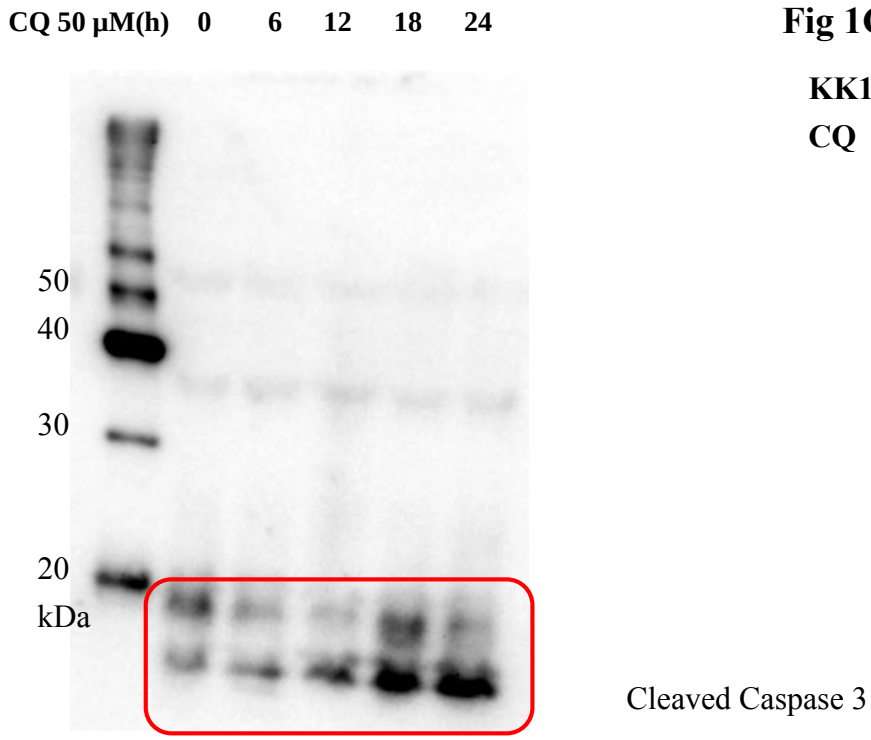


Fig 1C
and Supplementary Fig 2B

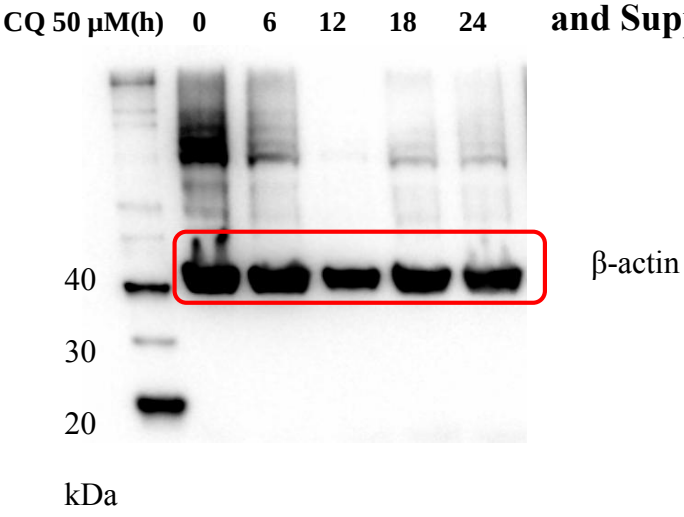


Fig 1C

KK1

HCQ

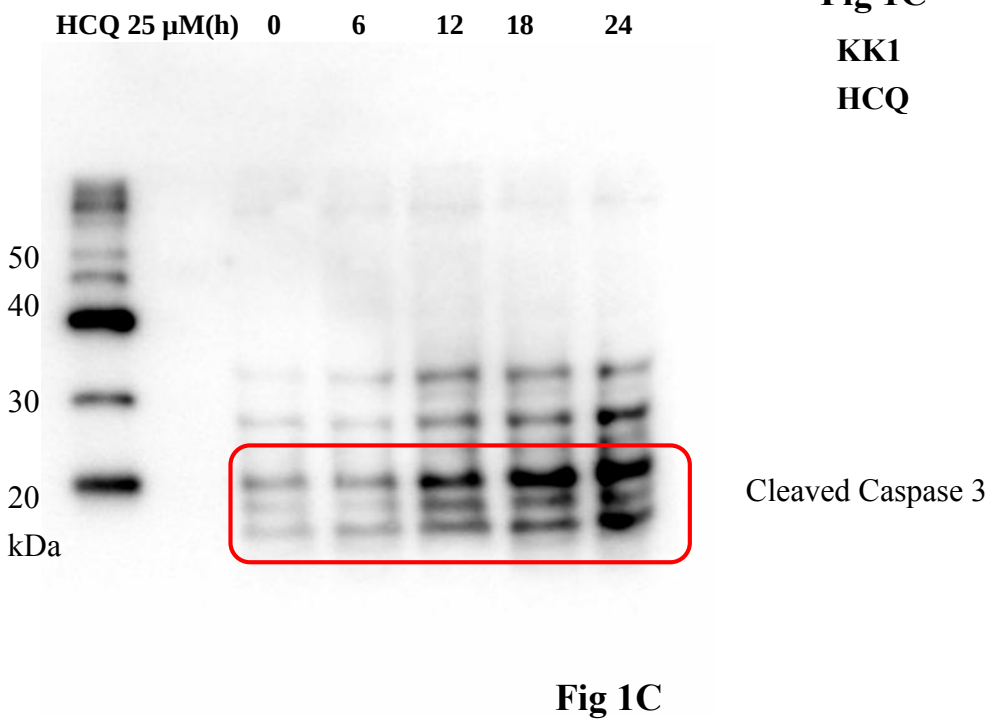


Fig 1C
and Supplementary Fig 2B

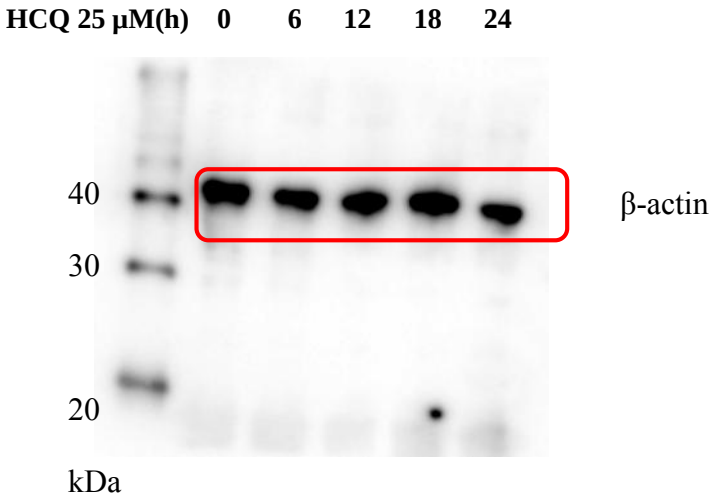
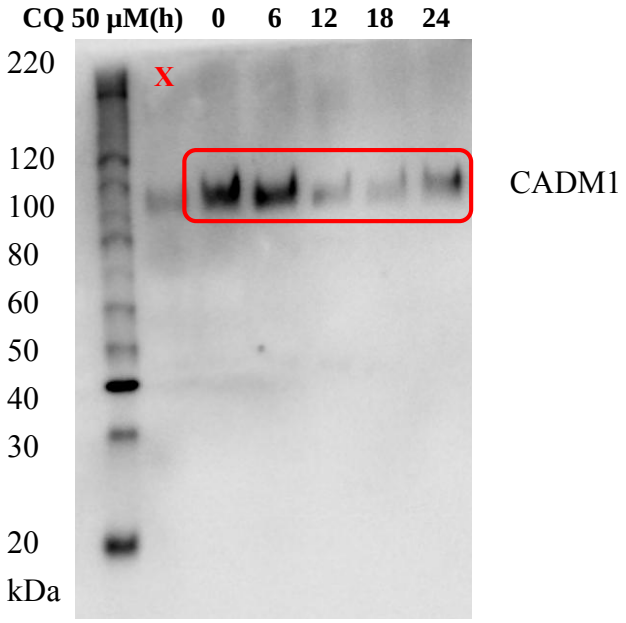


Fig 2A

S1T

CQ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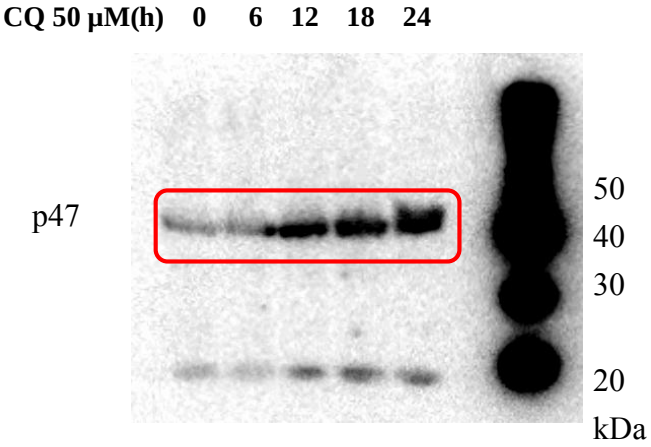
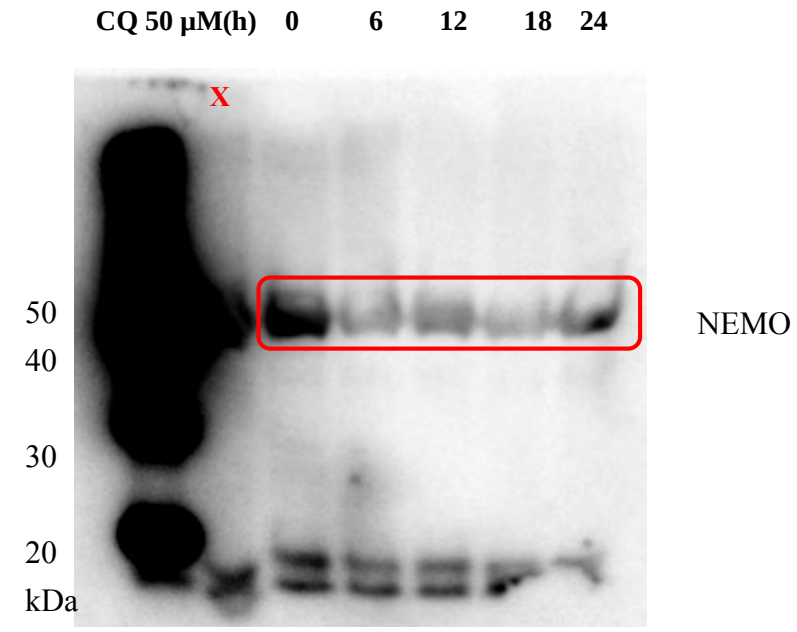
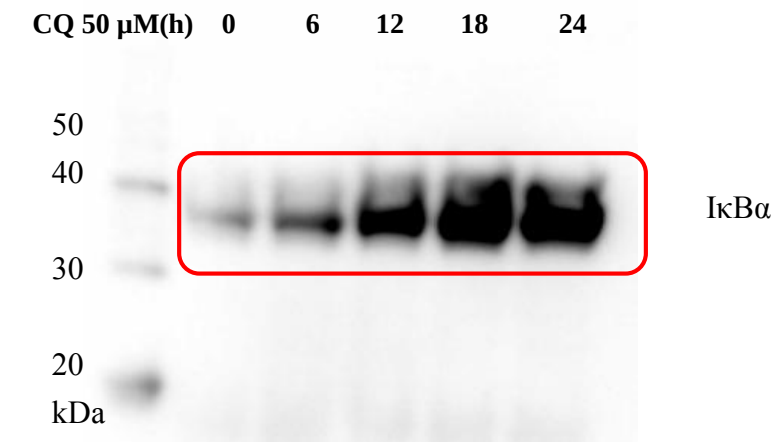
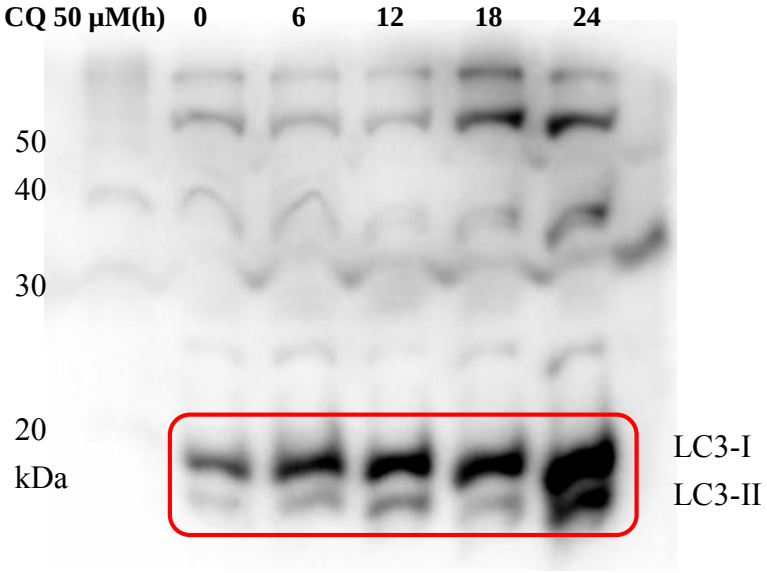
220
120
100
80
60
50
40
30
20
kDa
X
CADM1

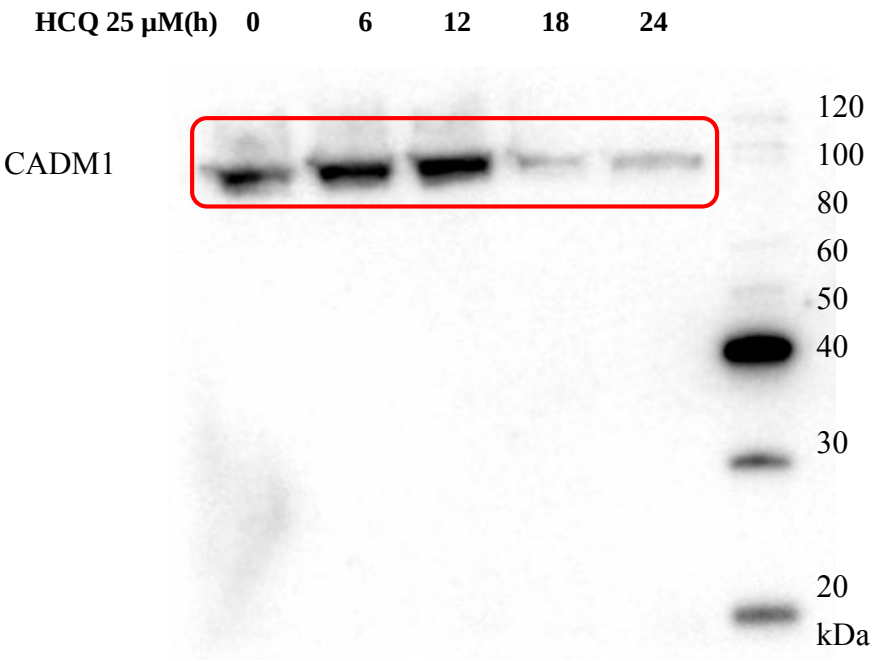

CQ 50 μM(h) 0 6 12 18 24
p47
50
40
30
20
kDa

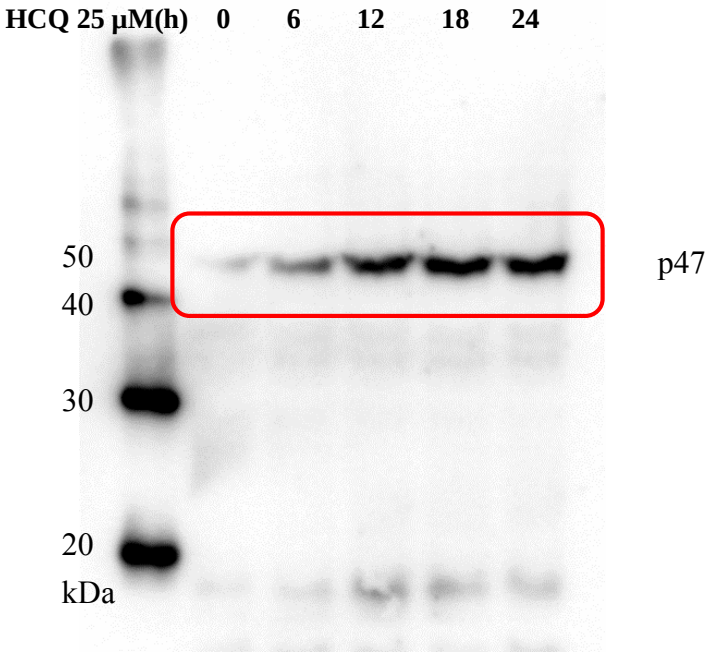

CQ 50 μM(h) 0 6 12 18 24
X
50
40
30
20
kDa
NEMO

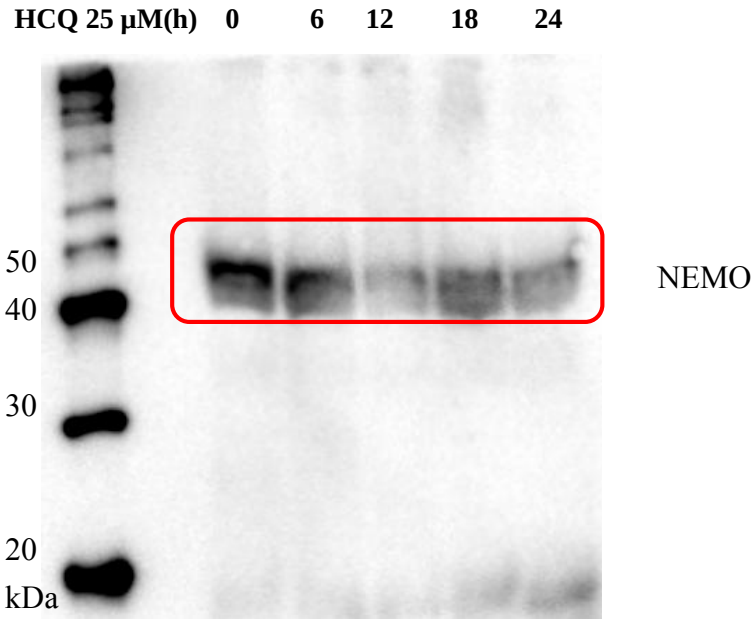

CQ 50 μM(h) 0 6 12 18 24
50
40
30
20
kDa
IκBα

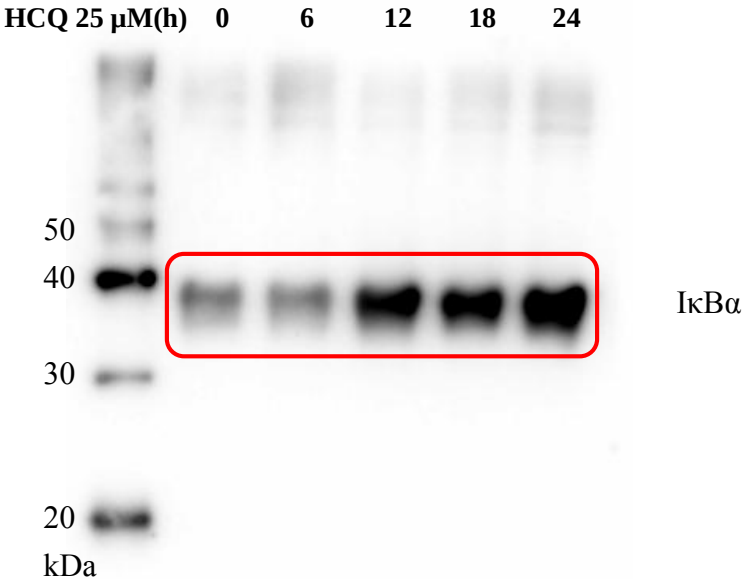

CQ 50 μM(h) 0 6 12 18 24
50
40
30
20
kDa
LC3-I
LC3-II

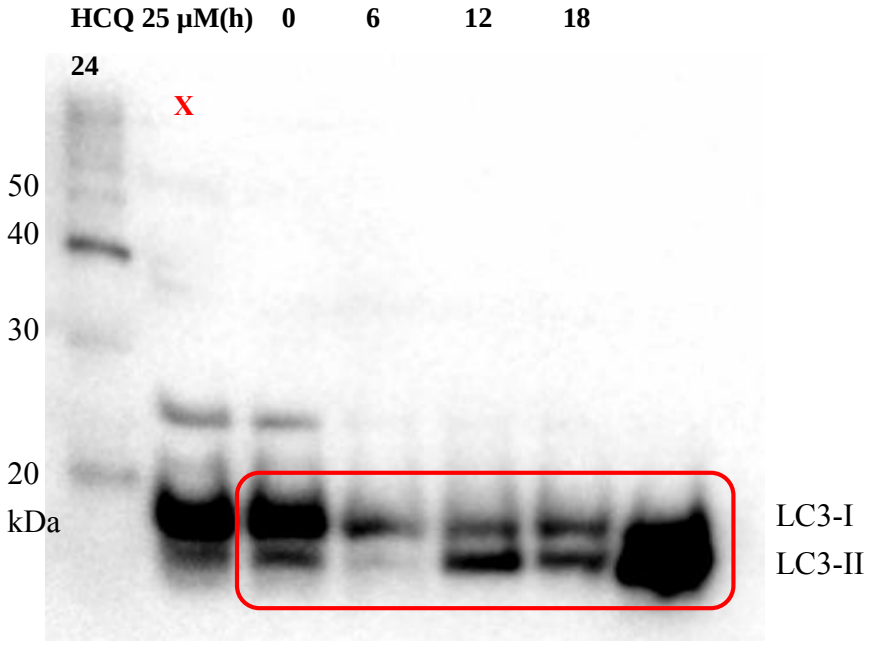
S1T
HCQ

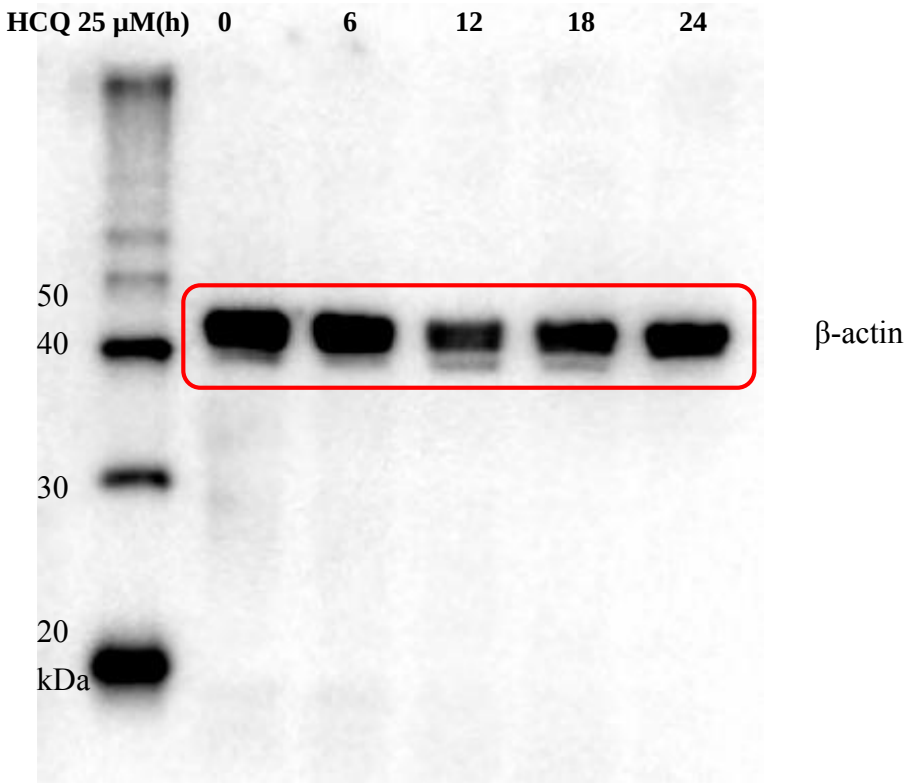

HCQ 25 μM(h) 0 6 12 18 24
CADM1
120
100
80
60
50
40
30
20
kDa


HCQ 25 μM(h) 0 6 12 18 24
50
40
30
20
kDa
p47


HCQ 25 μM(h) 0 6 12 18 24
50
40
30
20
kDa
NEMO

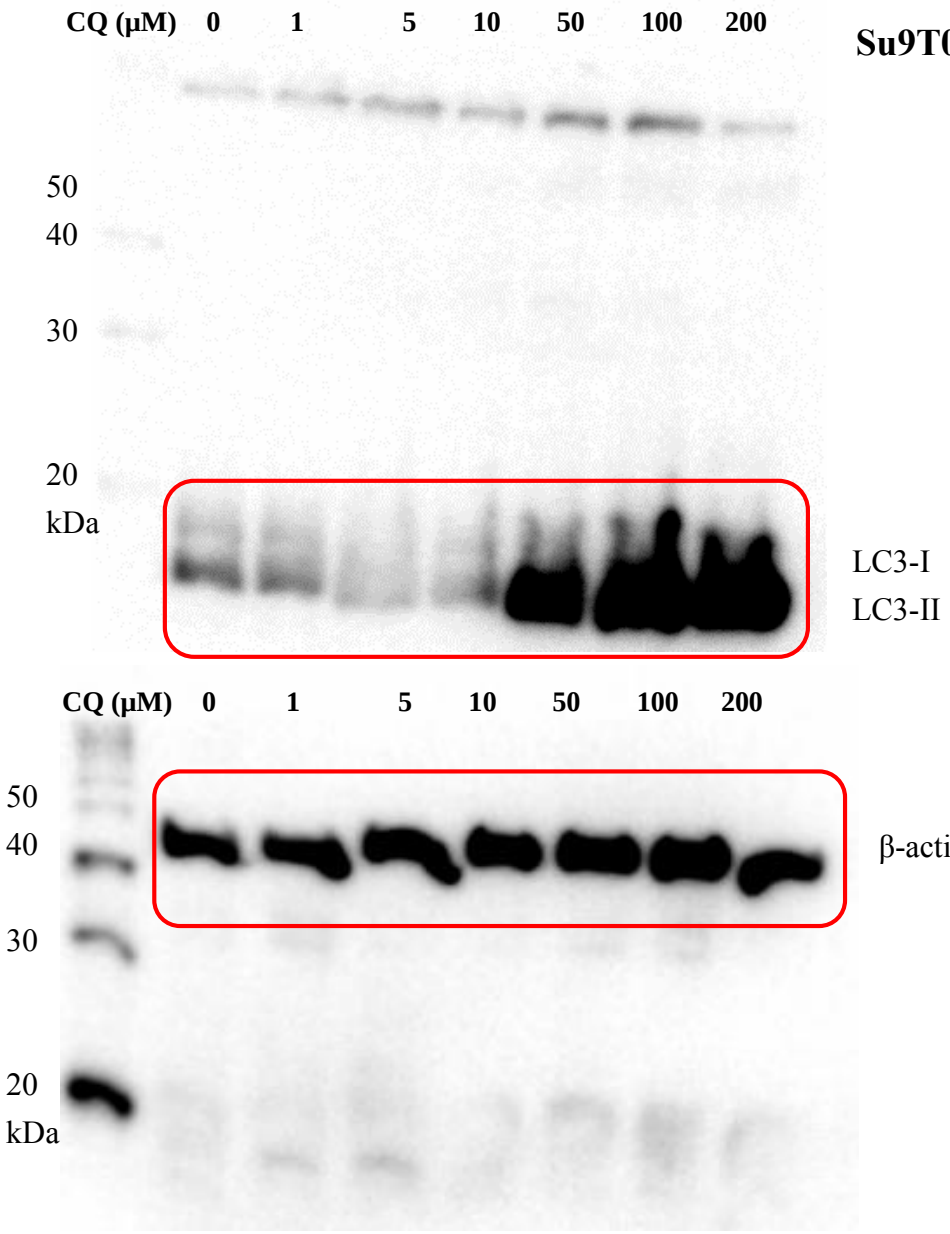

HCQ 25 μM(h) 0 6 12 18 24
50
40
30
20
kDa
IκBα

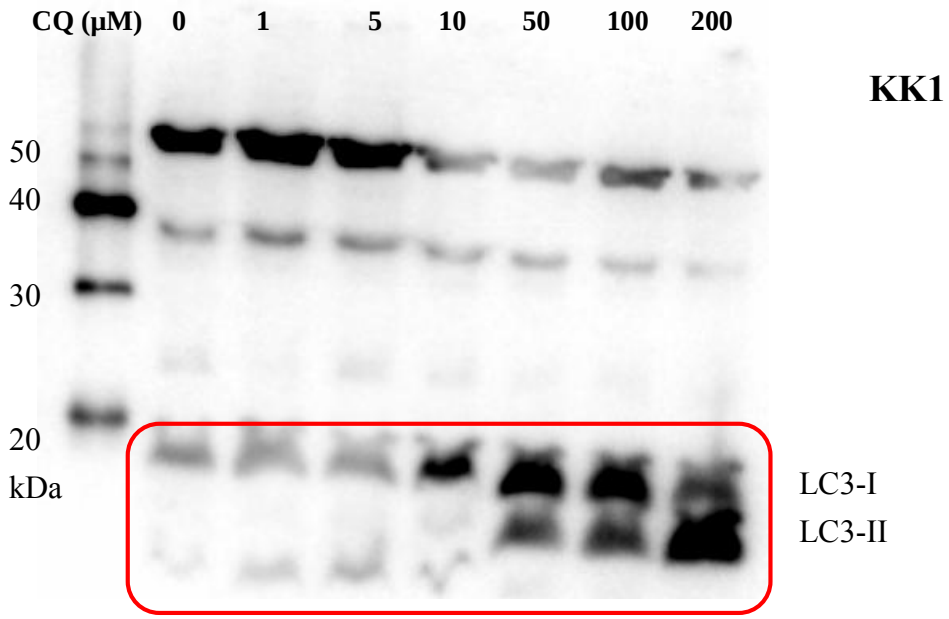

HCQ 25 μM(h) 0 6 12 18 24
X
50
40
30
20
kDa
LC3-I
LC3-II

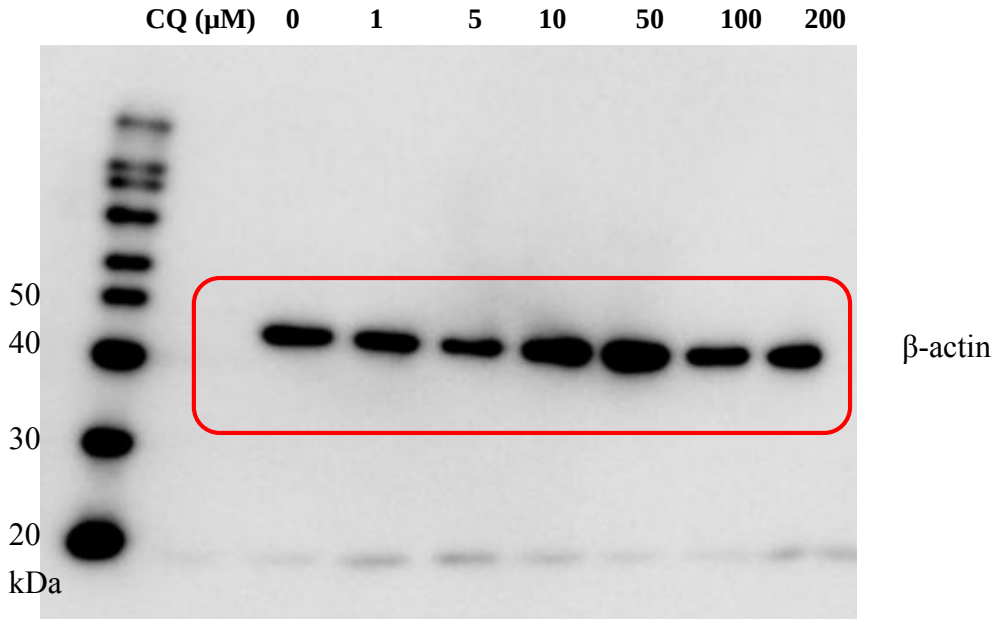

HCQ 25 μM(h) 0 6 12 18 24
50
40
30
20
kDa
β-actin

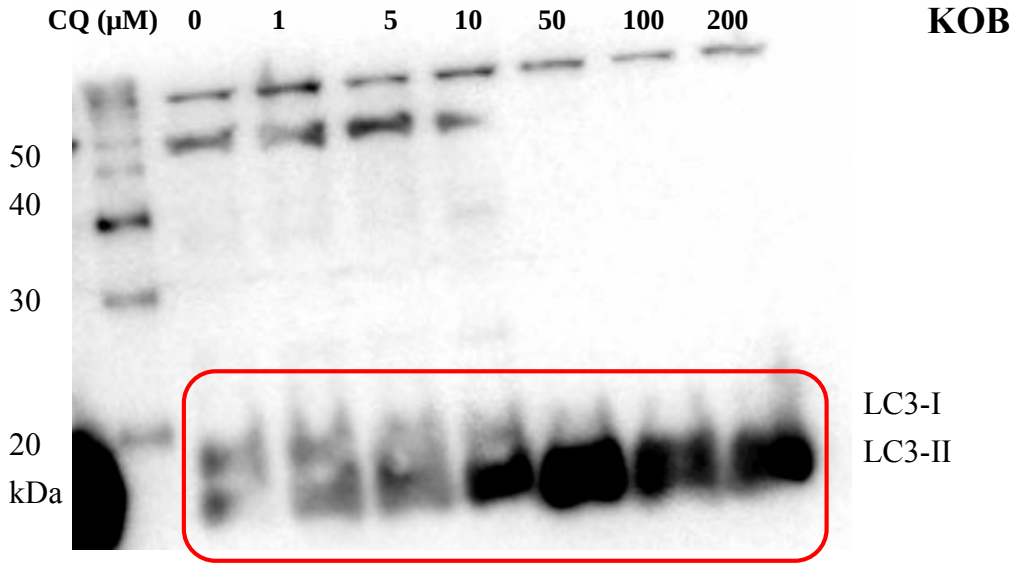
Supplementary Fig S2A

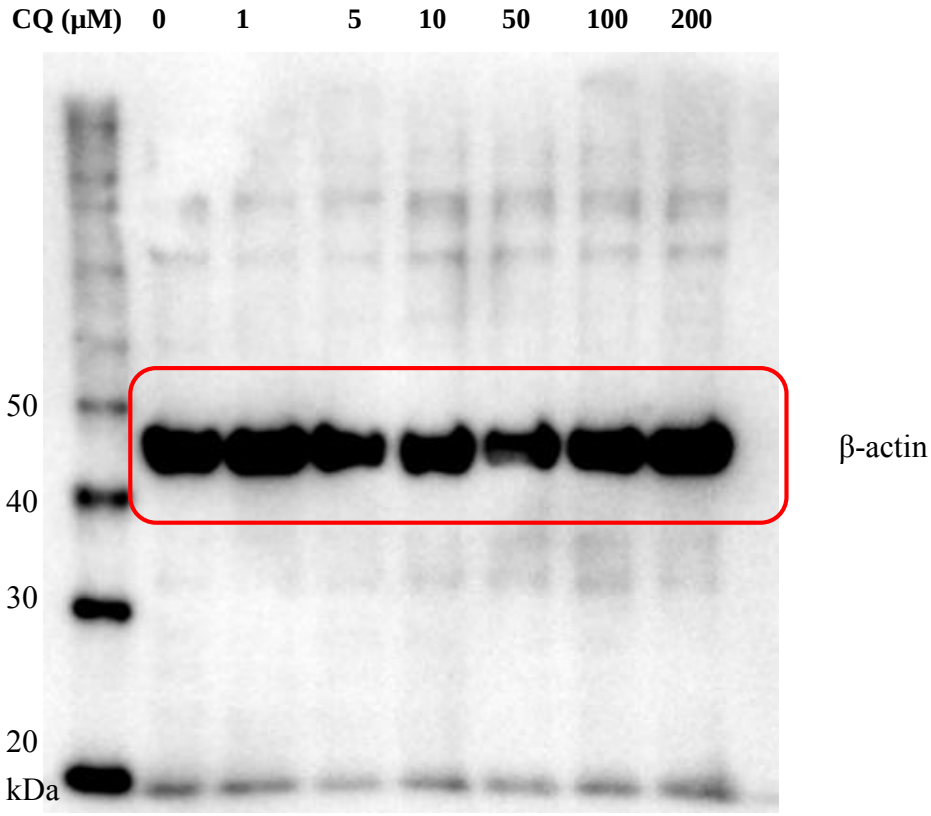
Su9T01




CQ (μM) 0 1 5 10 50 100 200
KK1
50
40
30
20
kDa
LC3-I
LC3-II


CQ (μM) 0 1 5 10 50 100 200
50
40
30
20
kDa
β-actin


CQ (μM) 0 1 5 10 50 100 200
KOB
50
40
30
20
kDa
LC3-I
LC3-II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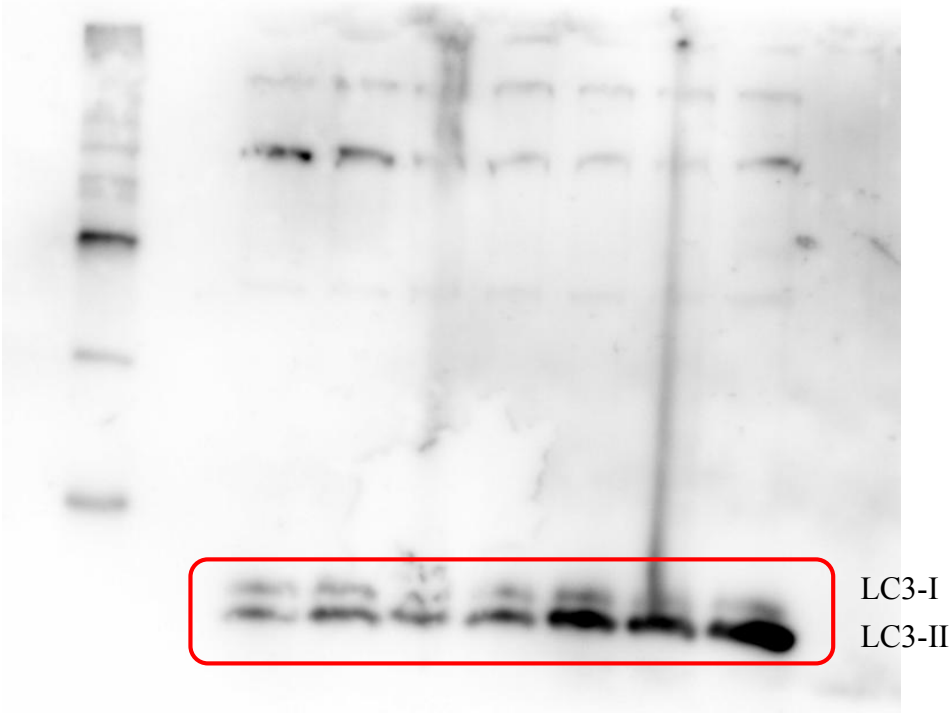
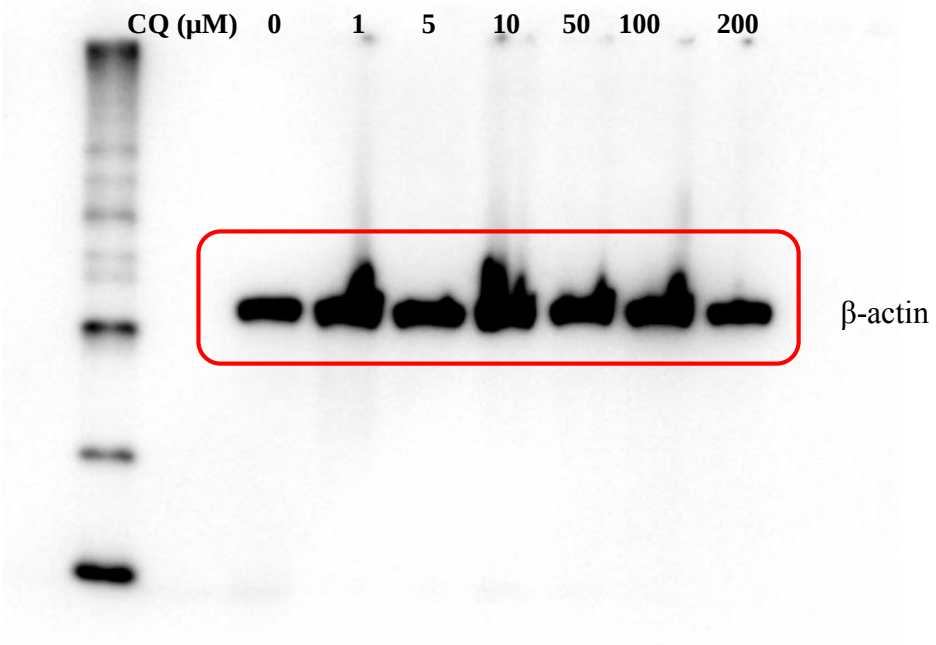
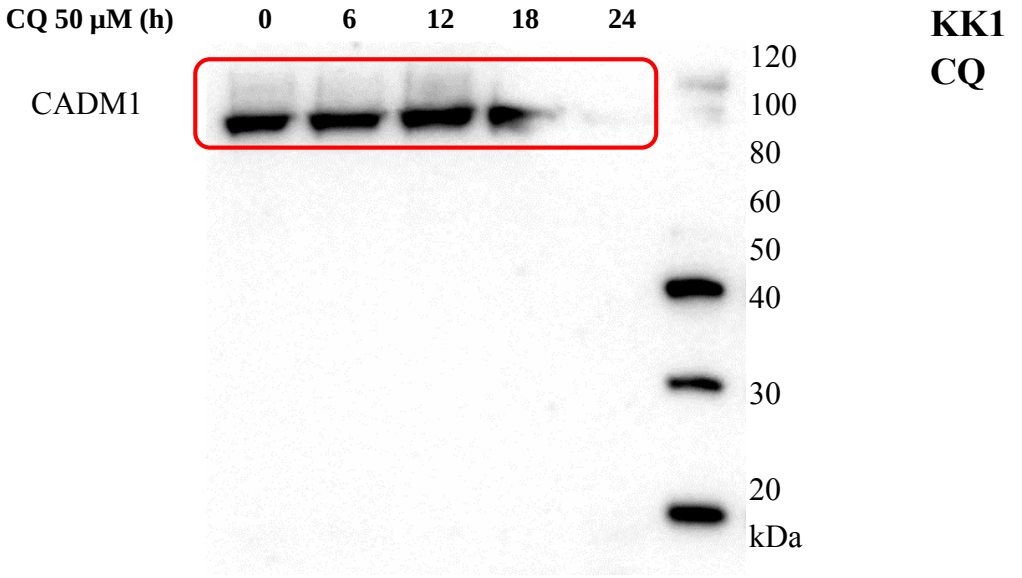
50
40
30
20
kDa
β-actin

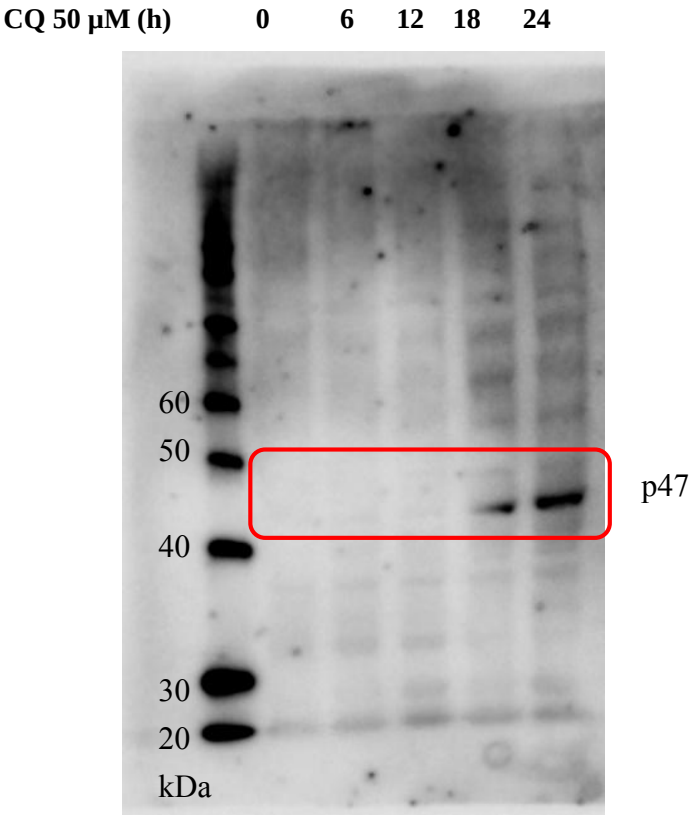
S1T

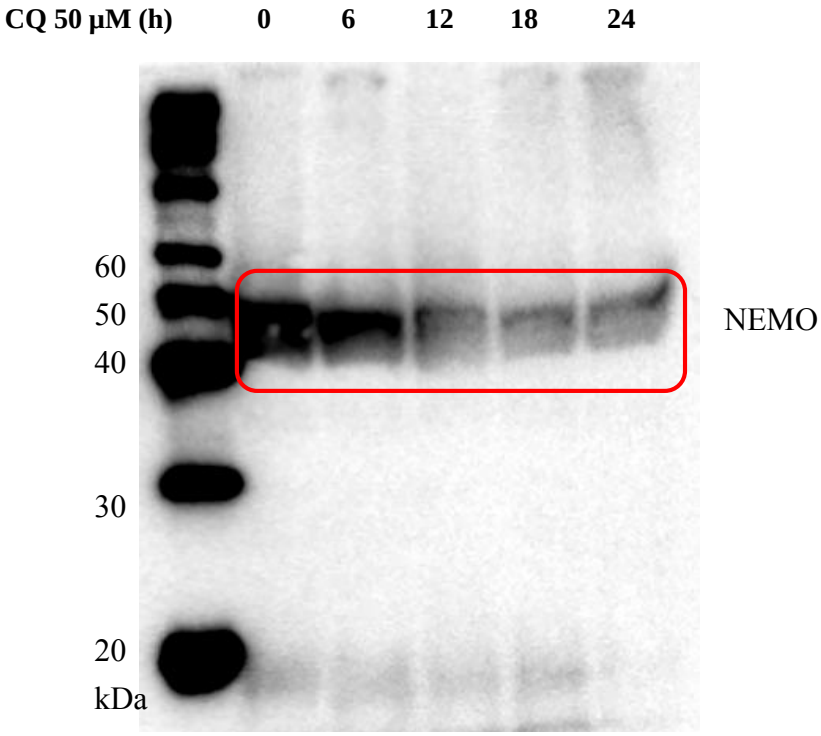




Supplementary Fig S2B



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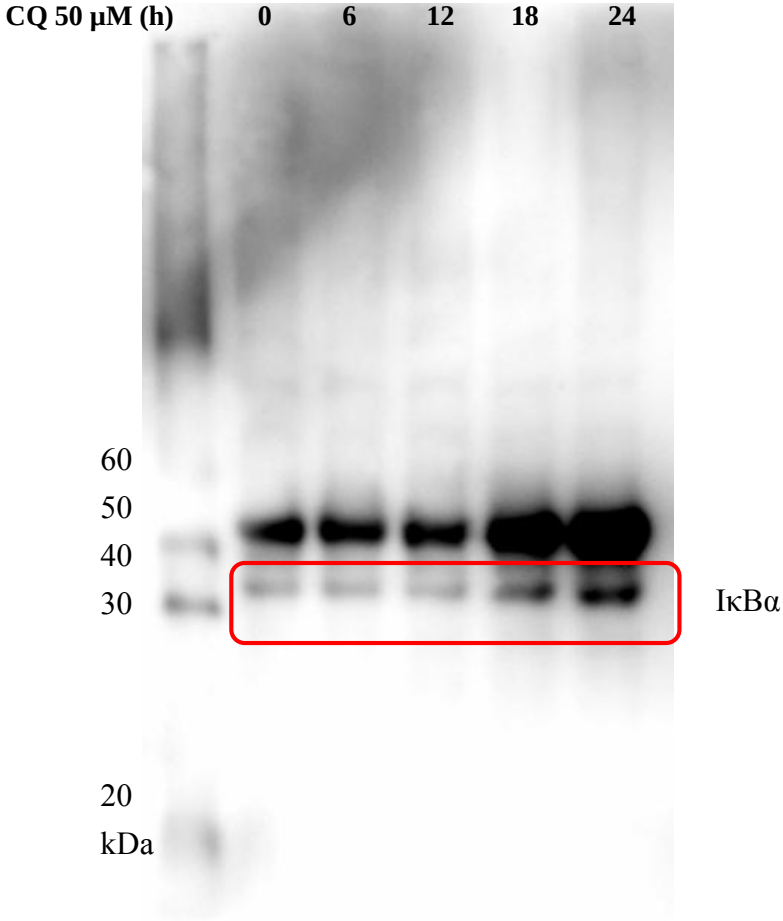
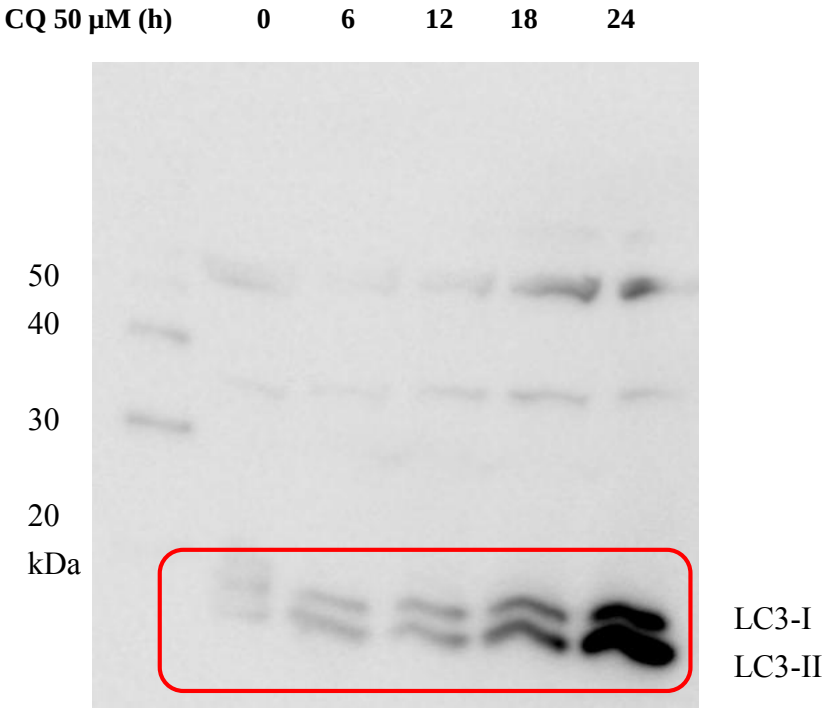
0
6
12
18
24
60
50
40
30
20
kDa
NEMO


CQ 50 μM (h)
0
6
12
18
24
60
50
40
30
20
kDa
IκBα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12
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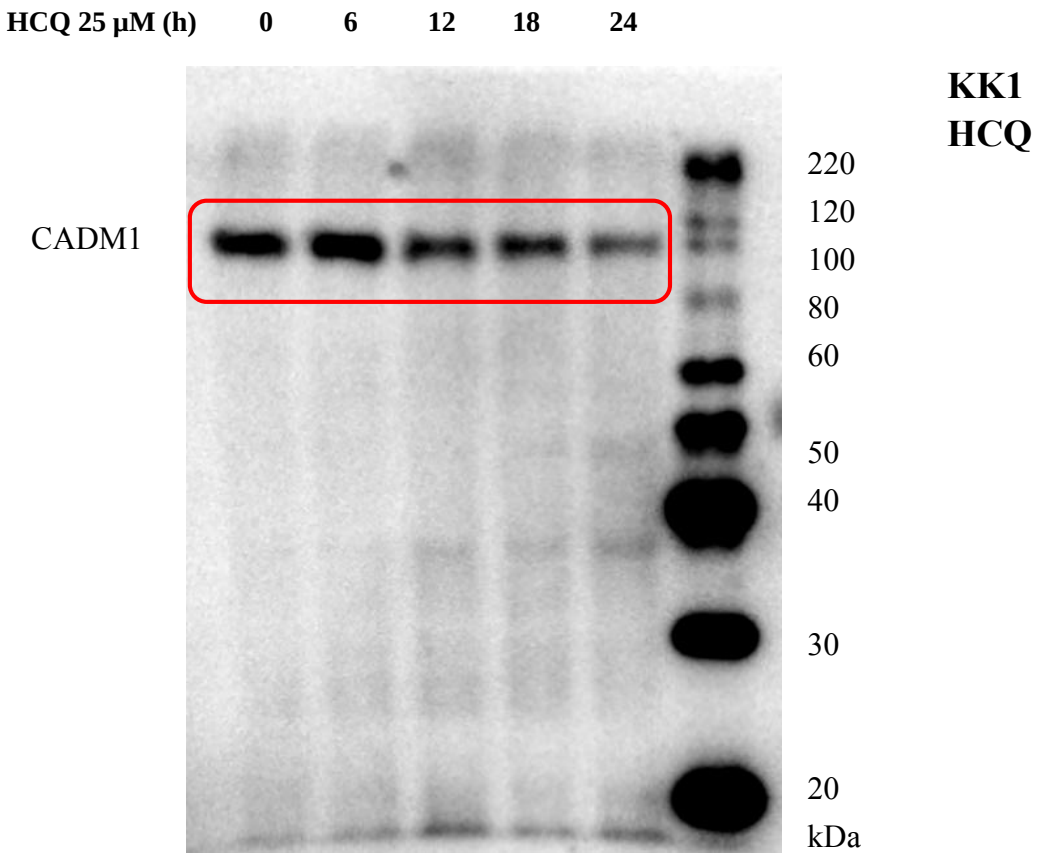
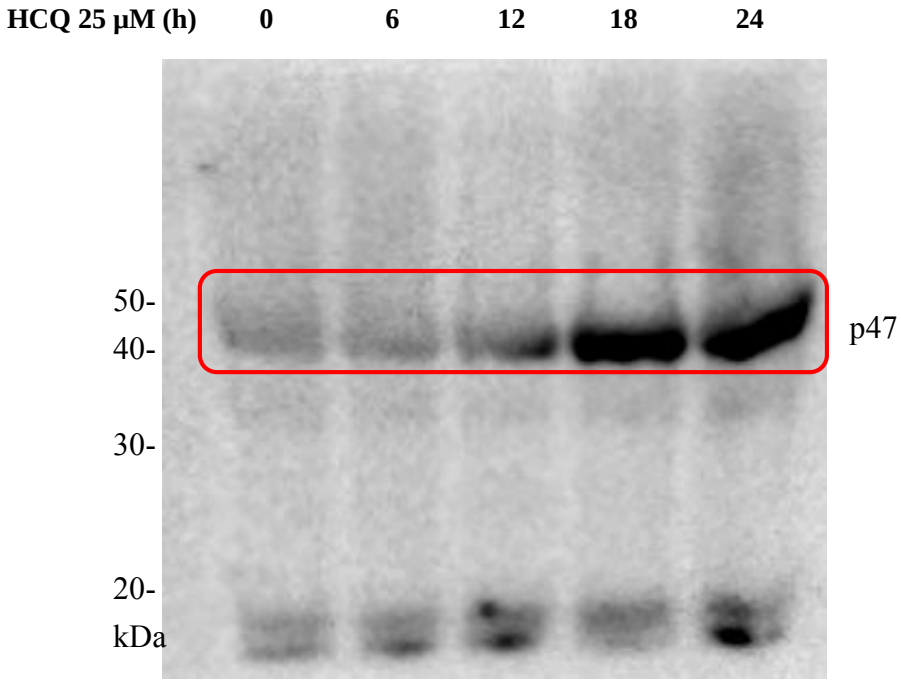
kDa
LC3-I
LC3-II


HCQ 25 μM (h)
0
6
12
18
24
KK1
HCQ
CADM1
220
120
100
80
60
50
40
30
20
kDa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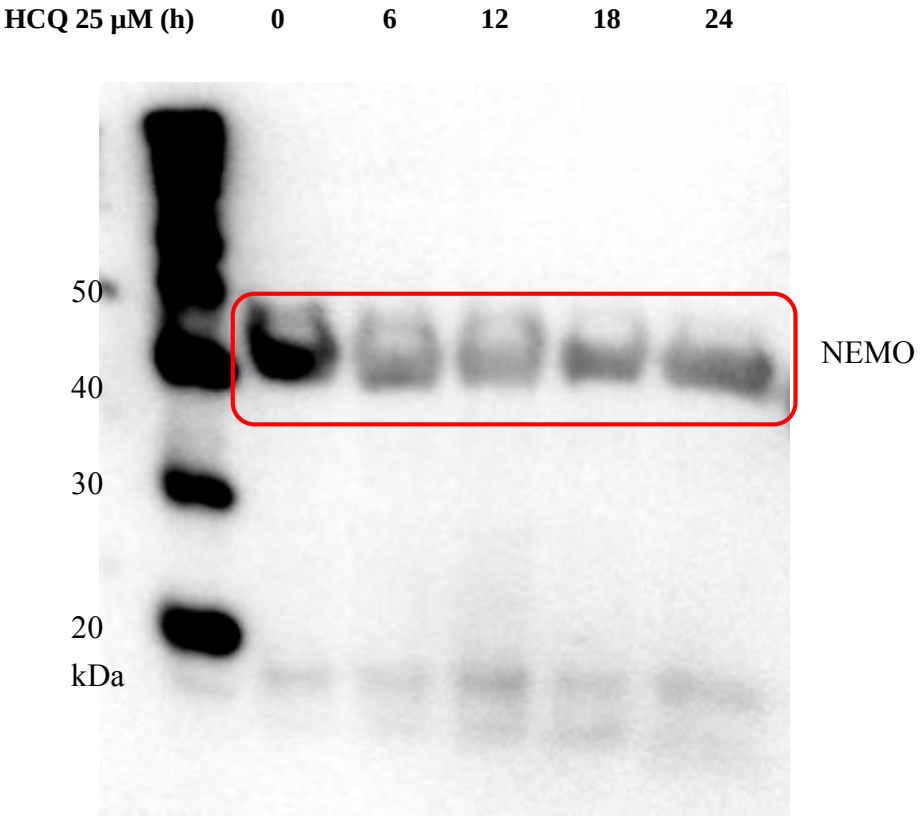
0
6
12
18
24
50-
40-
30-
20-
kDa
p47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0
6
12
18
24
50
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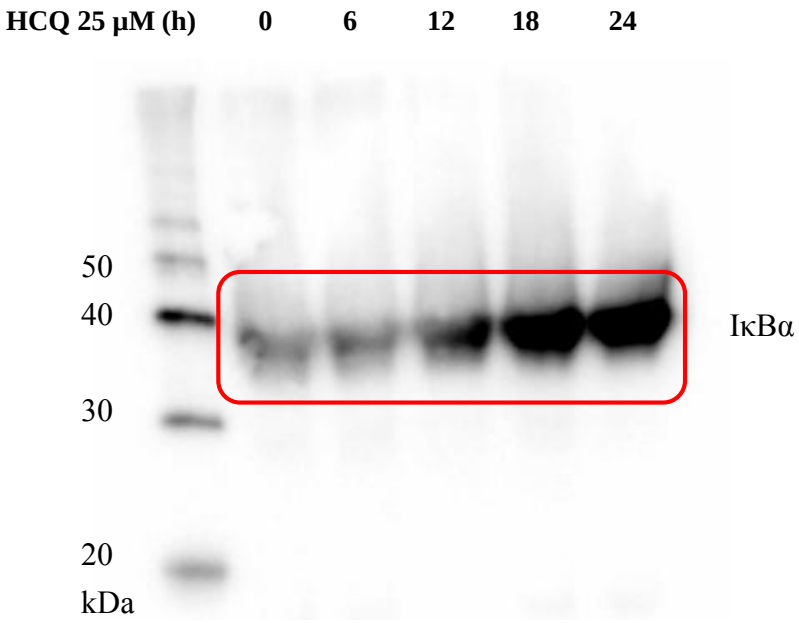
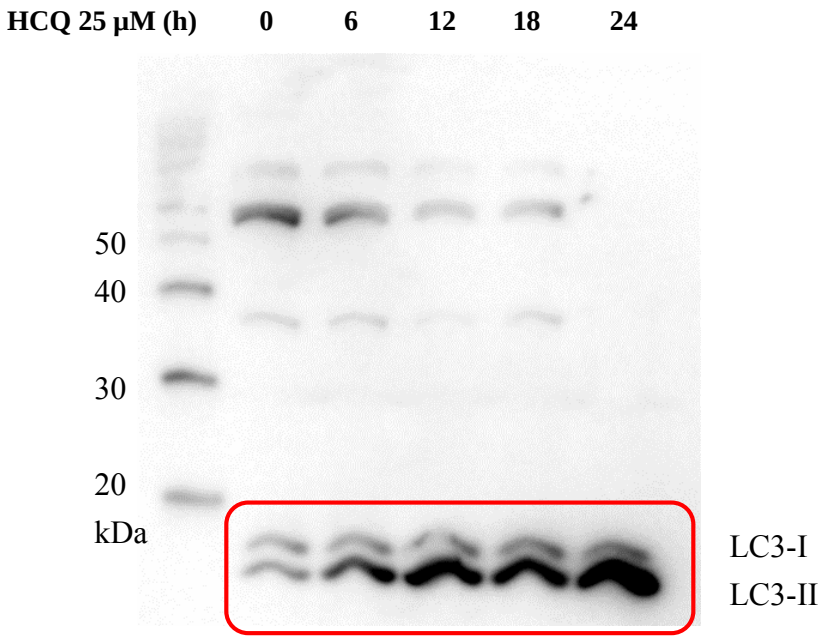
kDa
NEMO


HCQ 25 µM (h)
0
6
12
18
24
50
40
30
20
kDa
IκBα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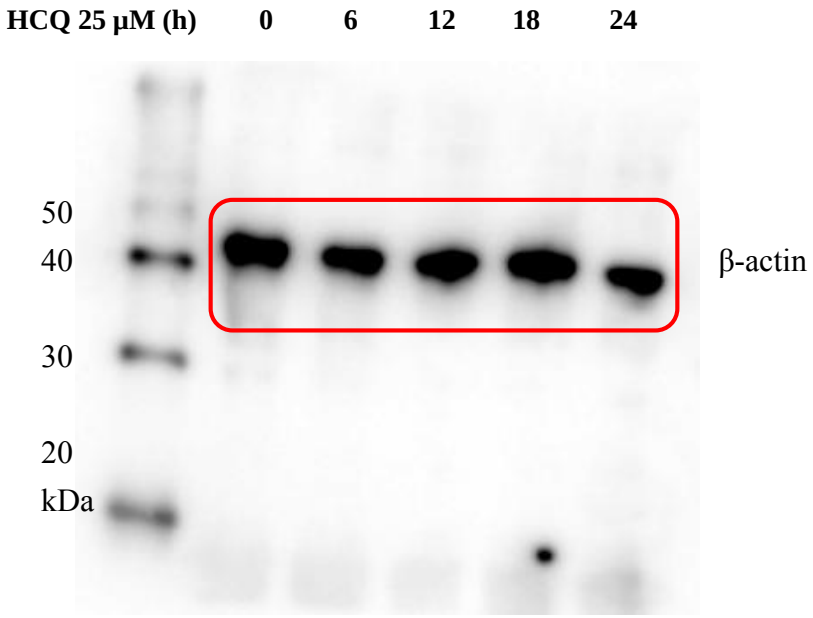
0
6
12
18
24
50
40
30
20
kDa
LC3-I
LC3-II


HCQ 25 μM (h)
0
6
12
18
24
50
40
30
20
kDa
β-actin