FIGURE S1

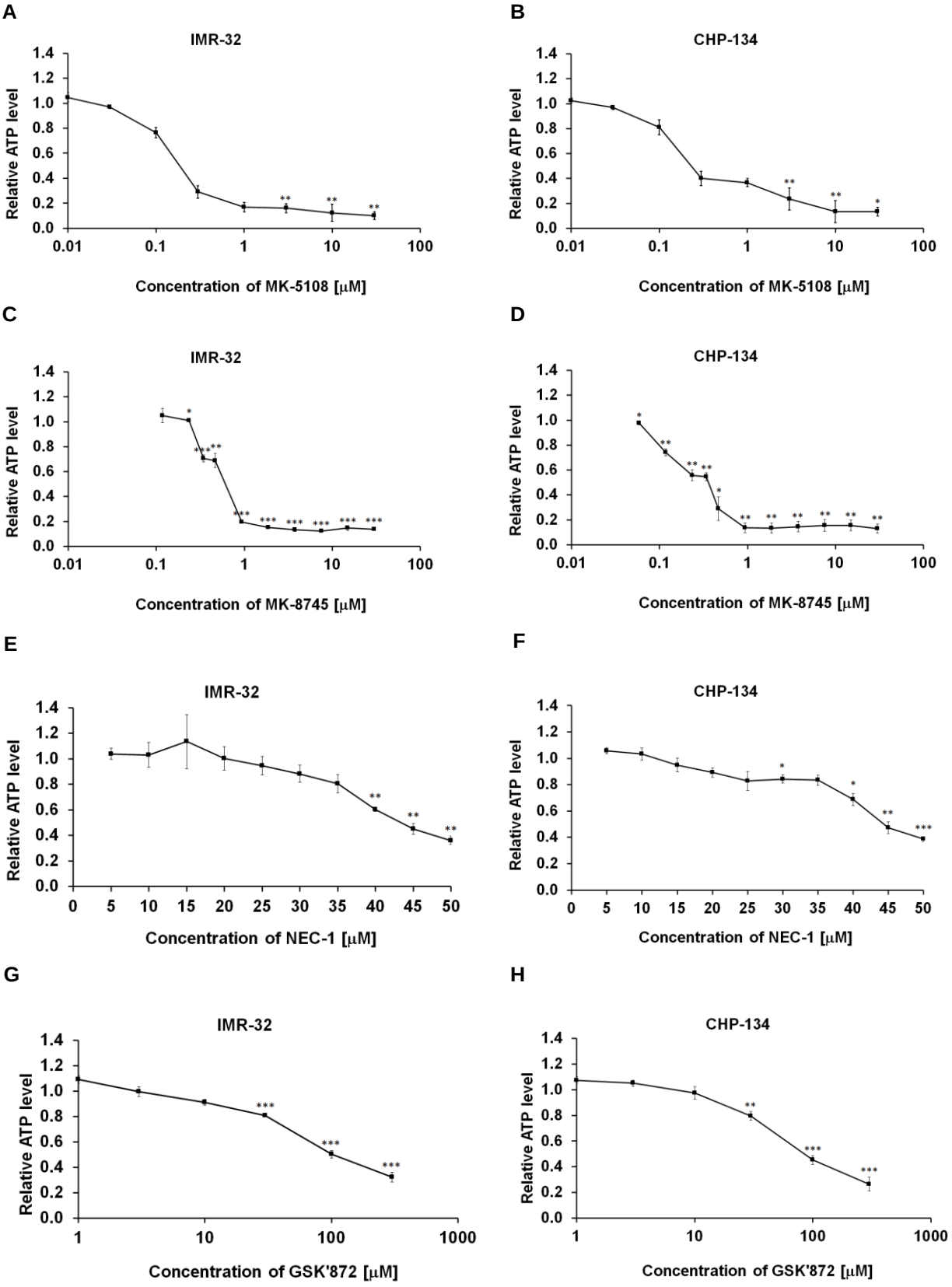

A
IMR-32
Relative ATP level
Concentration of MK-5108 [μM]
B
CHP-134
Relative ATP level
Concentration of MK-5108 [μM]
C
IMR-32
Relative ATP level
Concentration of MK-8745 [μM]
D
CHP-134
Relative ATP level
Concentration of MK-8745 [μM]
E
IMR-32
Relative ATP level
Concentration of NEC-1 [μM]
F
CHP-134
Relative ATP level
Concentration of NEC-1 [μM]
G
IMR-32
Relative ATP level
Concentration of GSK'872 [μM]
H
CHP-134
Relative ATP level
Concentration of GSK'872 [μM]

FIGURE S2

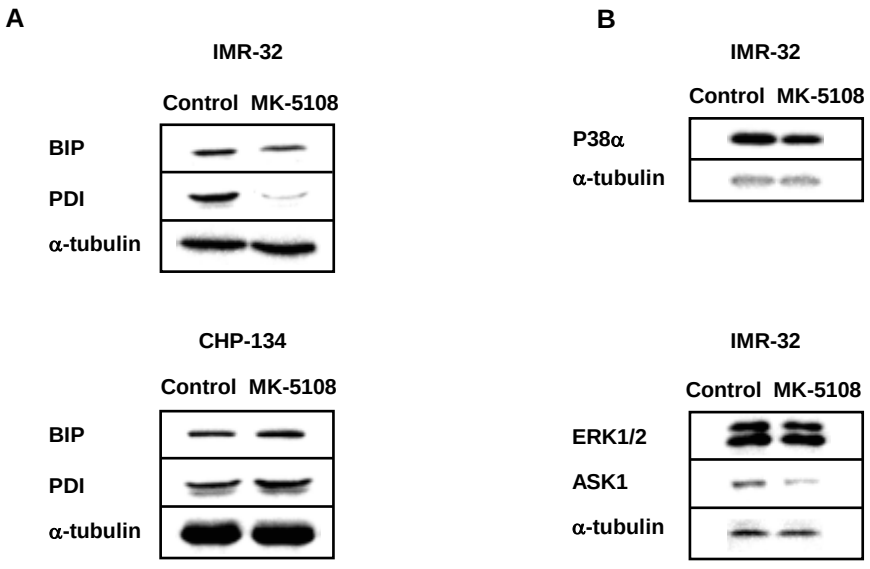
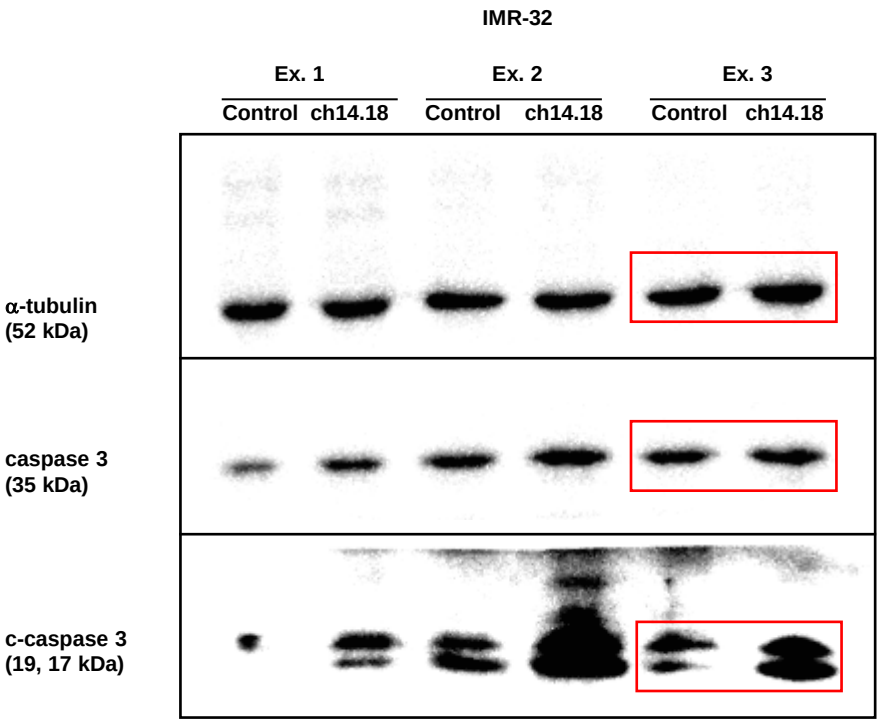

A
IMR-32
Control MK-5108
BIP
PDI
α-tubulin
CHP-134
Control MK-5108
BIP
PDI
α-tubulin
B
IMR-32
Control MK-5108
P38α
α-tubulin
IMR-32
Control MK-5108
ERK1/2
ASK1
α-tubulin

FIGURE S3

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control
ch14.18
Control
ch14.18
Control
ch14.18
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

B

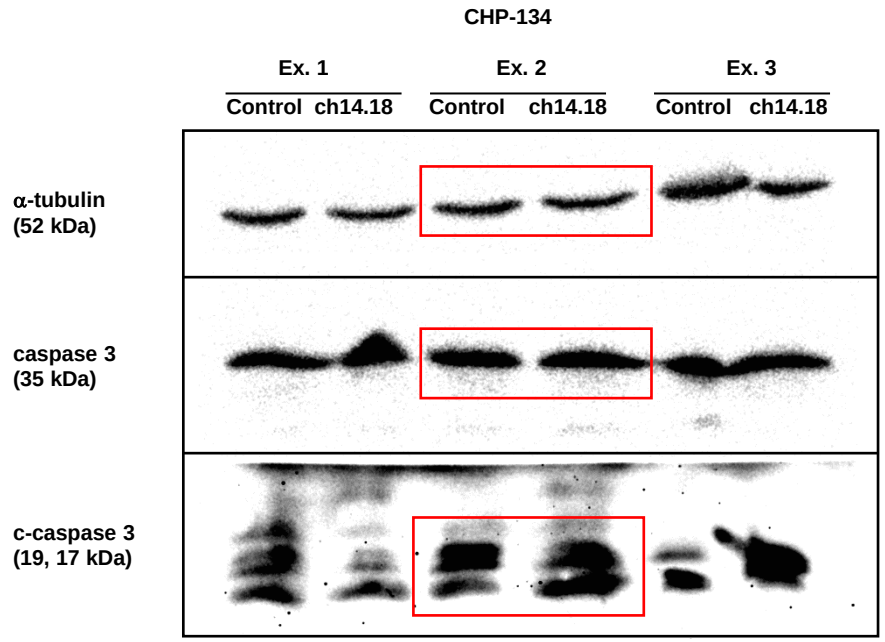
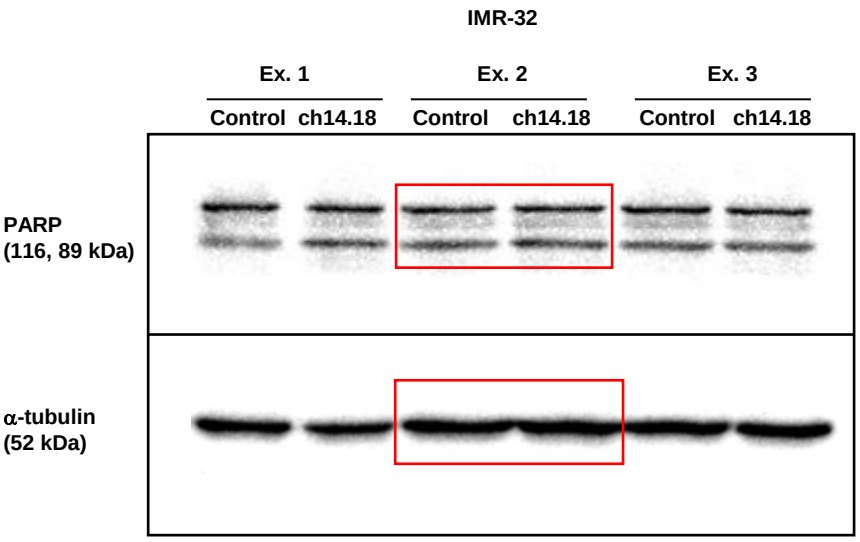

CHP-134
Ex. 1
Ex. 2
Ex. 3
Control
ch14.18
Control
ch14.18
Control
ch14.18
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

FIGURE S4

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control
ch14.18
Control
ch14.18
Control
ch14.18
PARP
(116, 89 kDa)
α-tubulin
(52 kDa)

B

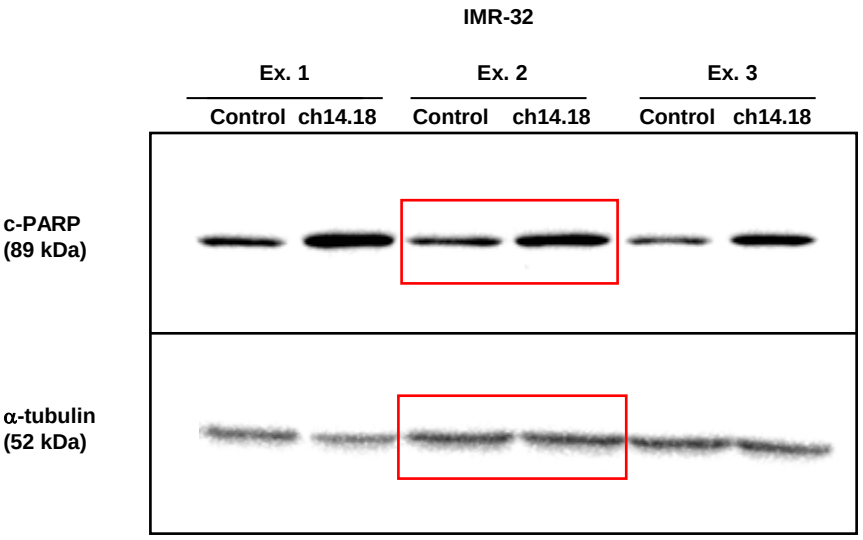
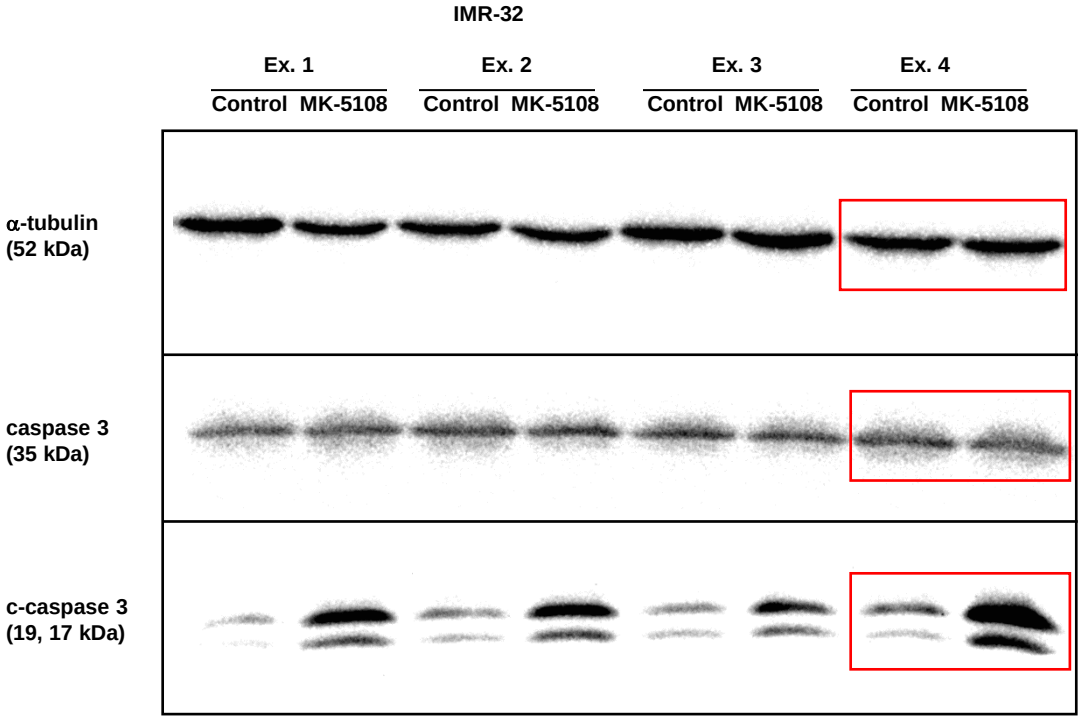

IMR-32
Ex. 1
Ex. 2
Ex. 3
Control
ch14.18
Control
ch14.18
Control
ch14.18
c-PARP
(89 kDa)
α-tubulin
(52 kDa)

FIGURE S5

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Ex. 4
Control MK-5108 Control MK-5108 Control MK-5108 Control MK-5108
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

B

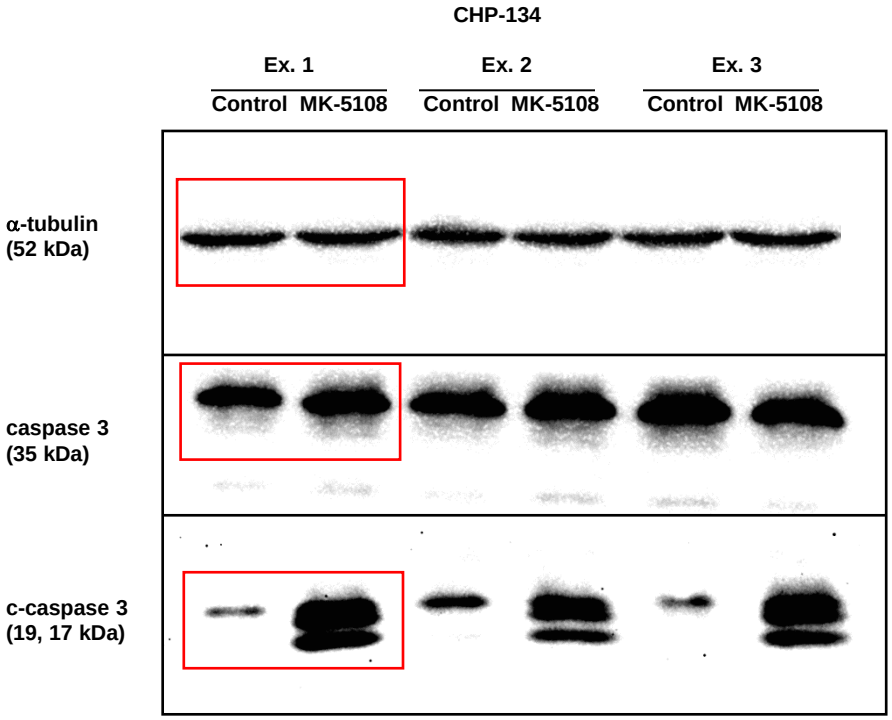
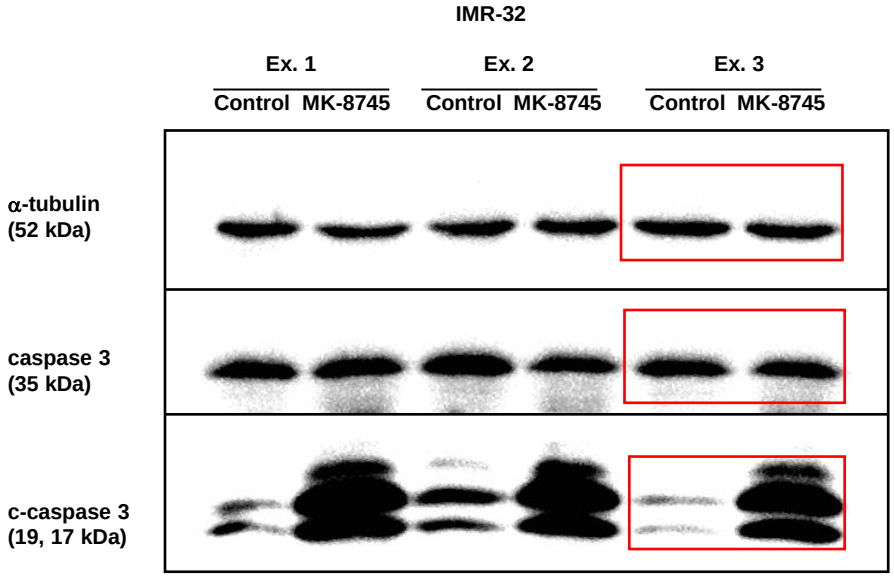

CHP-134
Ex. 1
Ex. 2
Ex. 3
Control MK-5108 Control MK-5108 Control MK-5108
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

FIGURE S6

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control MK-8745
Control MK-8745
Control MK-8745
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

B

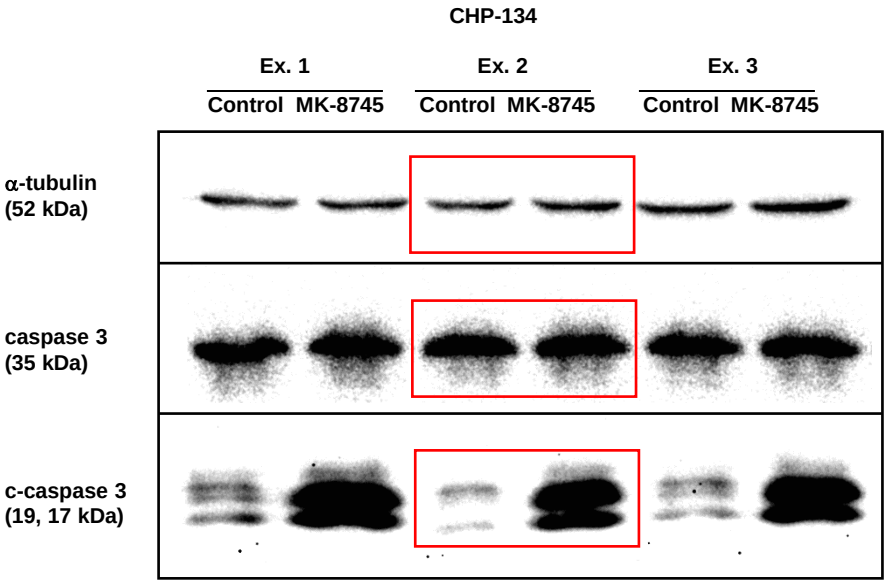
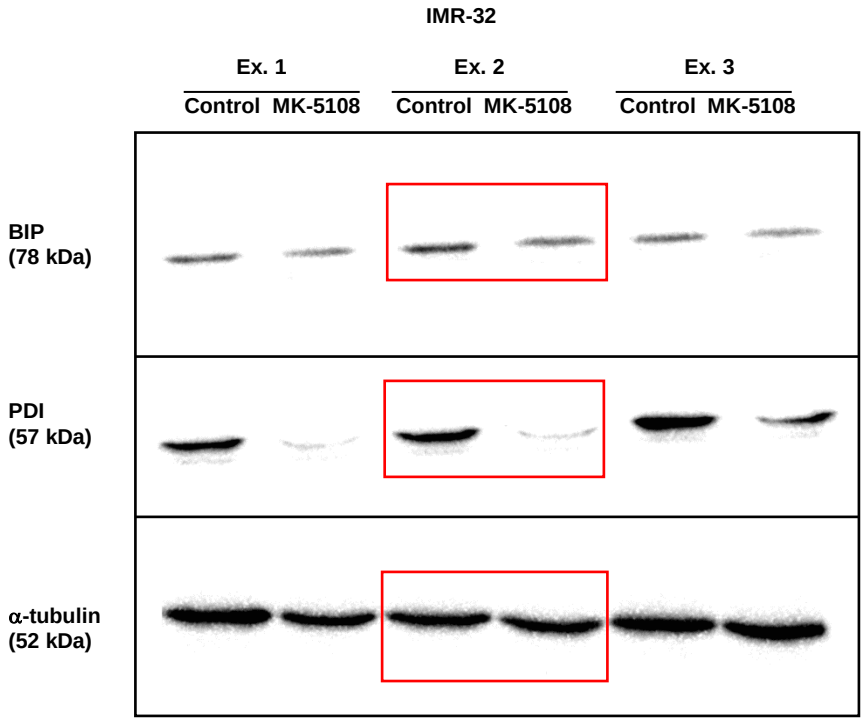

CHP-134
Ex. 1
Ex. 2
Ex. 3
Control MK-8745
Control MK-8745
Control MK-8745
α-tubulin
(52 kDa)
caspase 3
(35 kDa)
c-caspase 3
(19, 17 kDa)

FIGURE S7

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control
MK-5108
Control
MK-5108
Control
MK-5108
BIP
(78 kDa)
PDI
(57 kDa)
α-tubulin
(52 kDa)

B

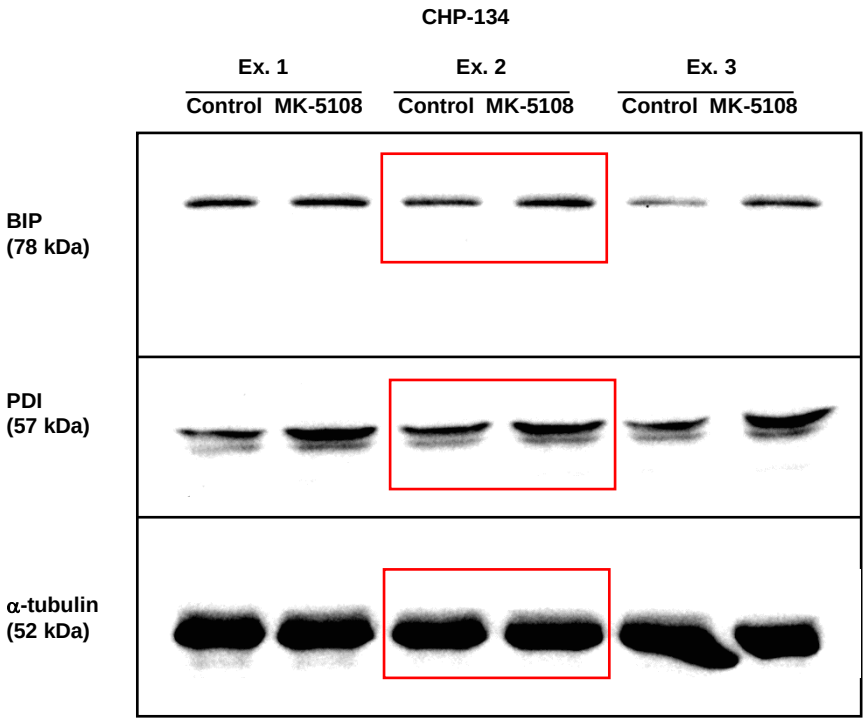
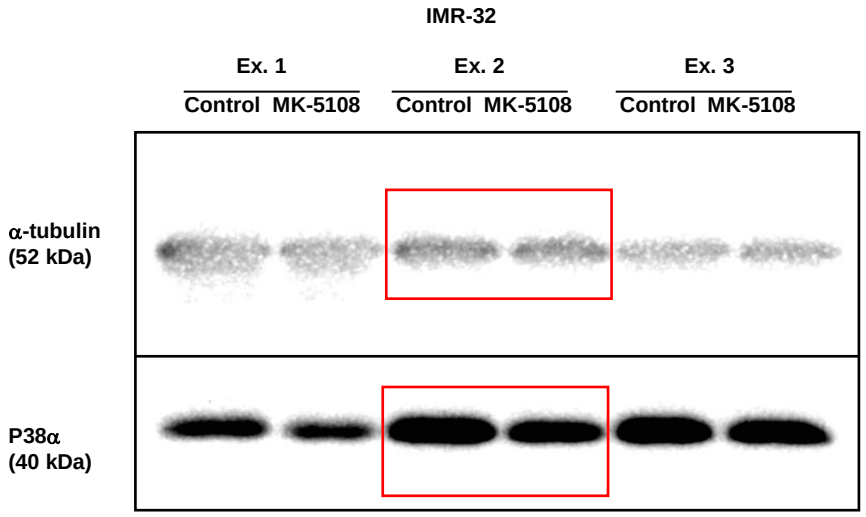
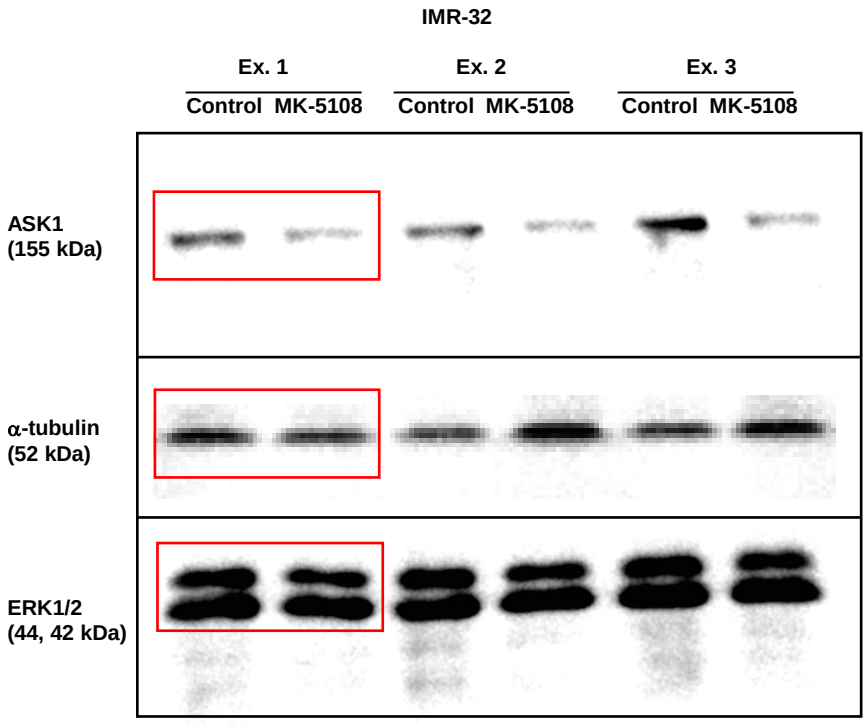

CHP-134
Ex. 1
Ex. 2
Ex. 3
Control
MK-5108
Control
MK-5108
Control
MK-5108
BIP
(78 kDa)
PDI
(57 kDa)
α-tubulin
(52 kDa)

FIGURE S8

A


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control MK-5108
Control MK-5108
Control MK-5108
α-tubulin
(52 kDa)
P38α
(40 kDa)

B


IMR-32
Ex. 1
Ex. 2
Ex. 3
Control MK-5108
Control MK-5108
Control MK-5108
ASK1
(155 kDa)
α-tubulin
(52 kDa)
ERK1/2
(44, 42 kDa)