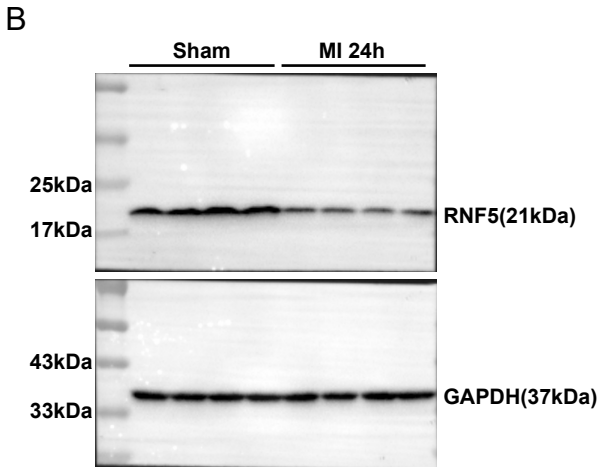
Figure 1



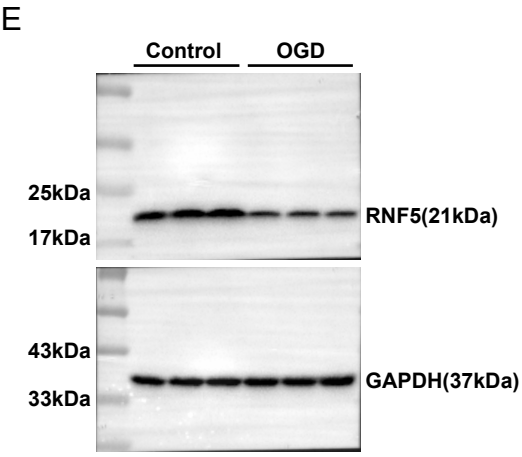


Figure 2

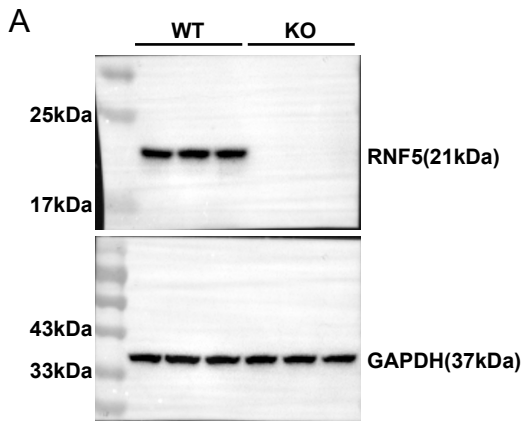
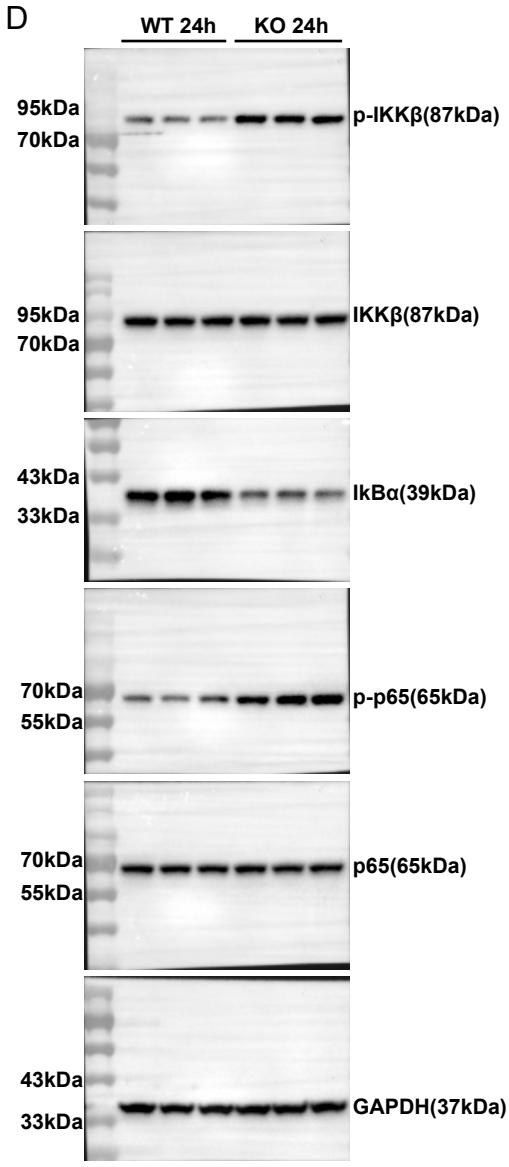


Figure 3


D
WT 24h
KO 24h
95kDa
70kDa
p-IKKβ(87kDa)
95kDa
70kDa
IKKβ(87kDa)
43kDa
33kDa
IkBα(39kDa)
70kDa
55kDa
p-p65(65kDa)
70kDa
55kDa
p65(65kDa)
43kDa
33kDa
GAPDH(37kDa)

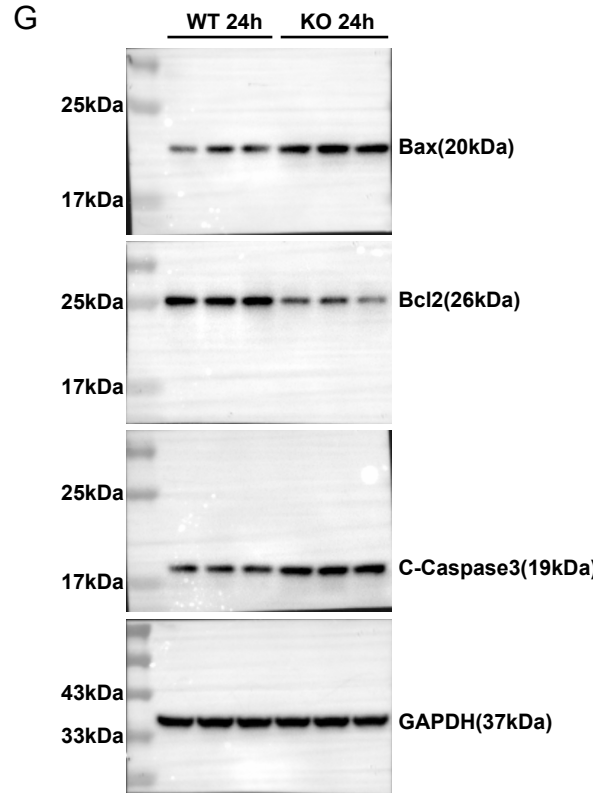

G
WT 24h
KO 24h
25kDa
17kDa
Bax(20kDa)
25kDa
17kDa
Bcl2(26kDa)
25kDa
17kDa
C-Caspase3(19kDa)
43kDa
33kDa
GAPDH(37kDa)

Figure 4

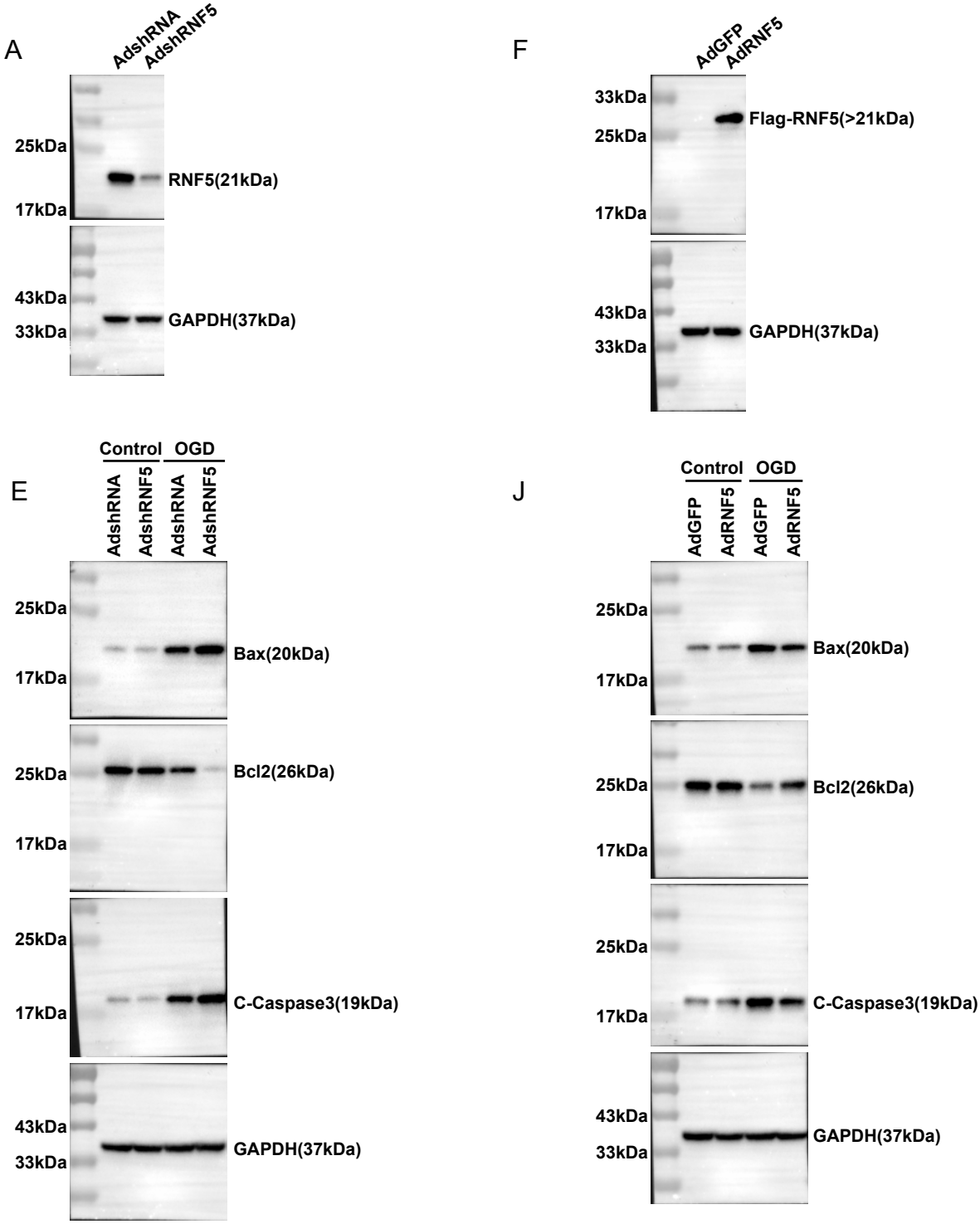
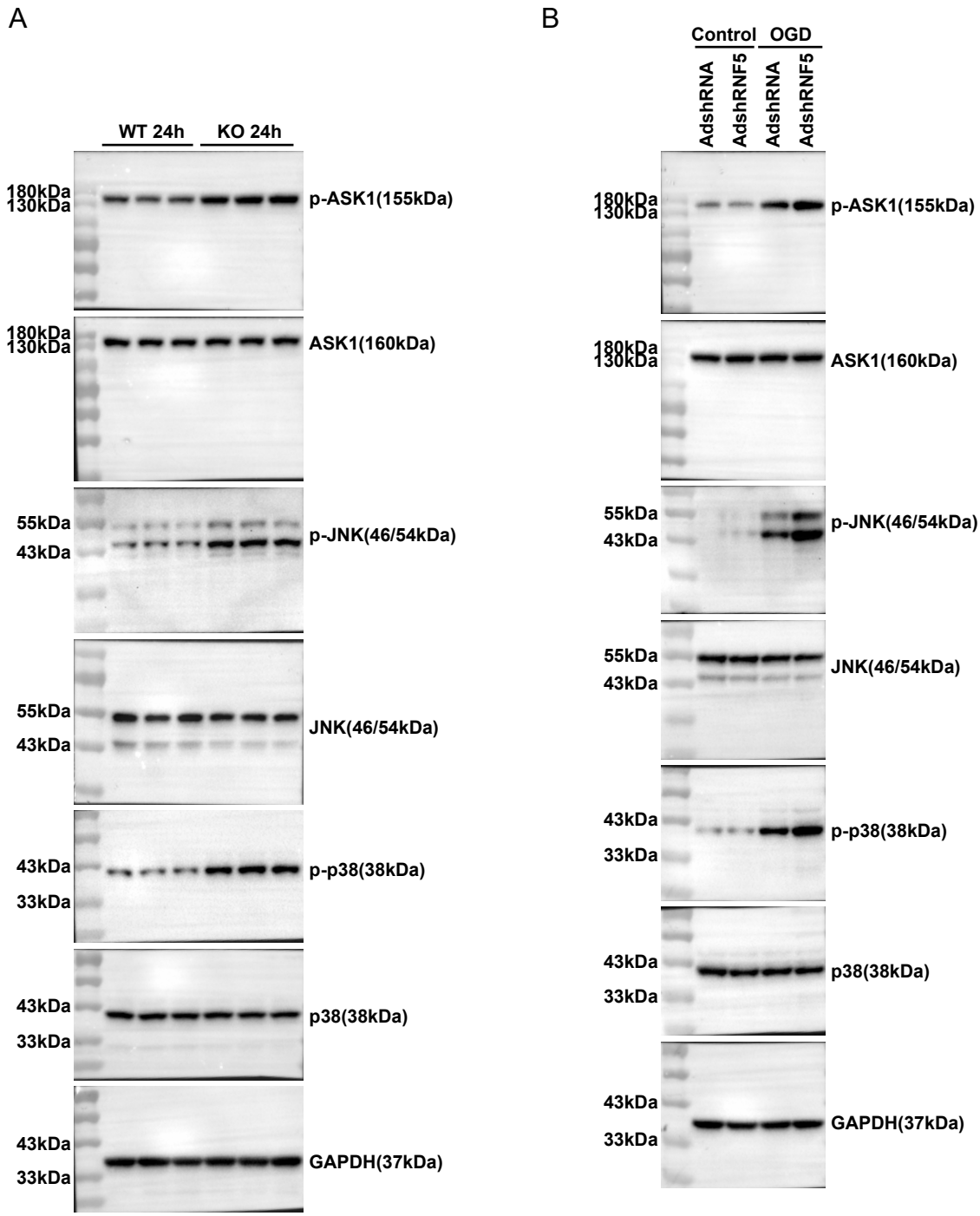

A
AdshRNA
AdshRNF5
25kDa
17kDa
RNF5(21kDa)
43kDa
33kDa
GAPDH(37kDa)
F
AdGFP
AdRNF5
33kDa
25kDa
17kDa
Flag-RNF5(>21kDa)
43kDa
33kDa
GAPDH(37kDa)
E
Control
OGD
AdshRNA
AdshRNF5
AdshRNA
AdshRNF5
25kDa
17kDa
Bax(20kDa)
25kDa
17kDa
Bcl2(26kDa)
25kDa
17kDa
C-Caspase3(19kDa)
43kDa
33kDa
GAPDH(37kDa)
J
Control
OGD
AdGFP
AdRNF5
AdGFP
AdRNF5
25kDa
17kDa
Bax(20kDa)
25kDa
17kDa
Bcl2(26kDa)
25kDa
17kDa
C-Caspase3(19kDa)
43kDa
33kDa
GAPDH(37kDa)

Figure 5


A
WT 24h
KO 24h
180kDa
130kDa
p-ASK1(155kDa)
180kDa
130kDa
ASK1(160kDa)
55kDa
43kDa
p-JNK(46/54kDa)
55kDa
43kDa
JNK(46/54kDa)
43kDa
33kDa
p-p38(38kDa)
43kDa
33kDa
p38(38kDa)
43kDa
33kDa
GAPDH(37kDa)
B
Control
OGD
AdshRNA
AdshRNF5
AdshRNA
AdshRNF5
180kDa
130kDa
p-ASK1(155kDa)
180kDa
130kDa
ASK1(160kDa)
55kDa
43kDa
p-JNK(46/54kDa)
55kDa
43kDa
JNK(46/54kDa)
43kDa
33kDa
p-p38(38kDa)
43kDa
33kDa
p38(38kDa)
43kDa
33kDa
GAPDH(37kDa)

C

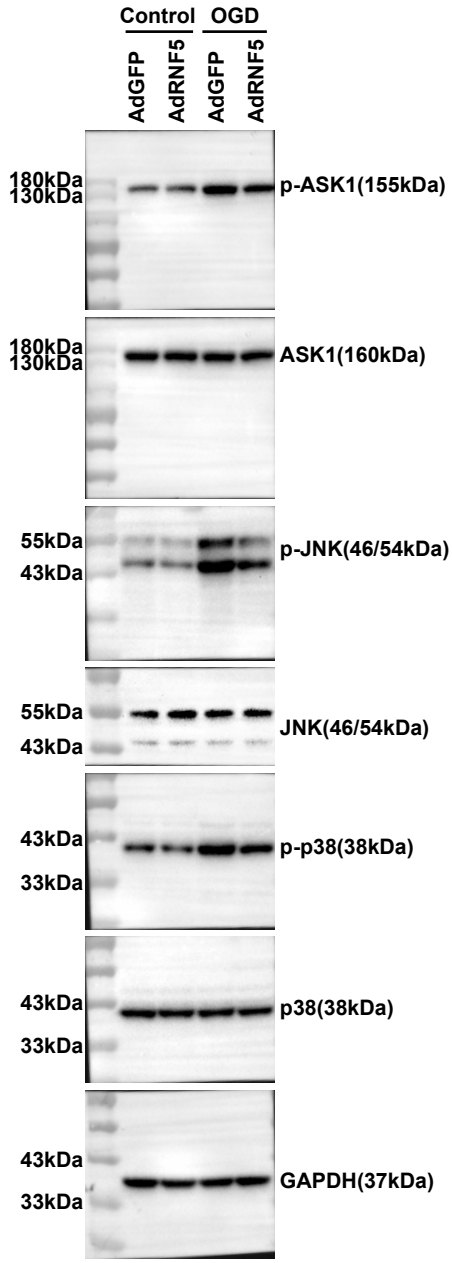
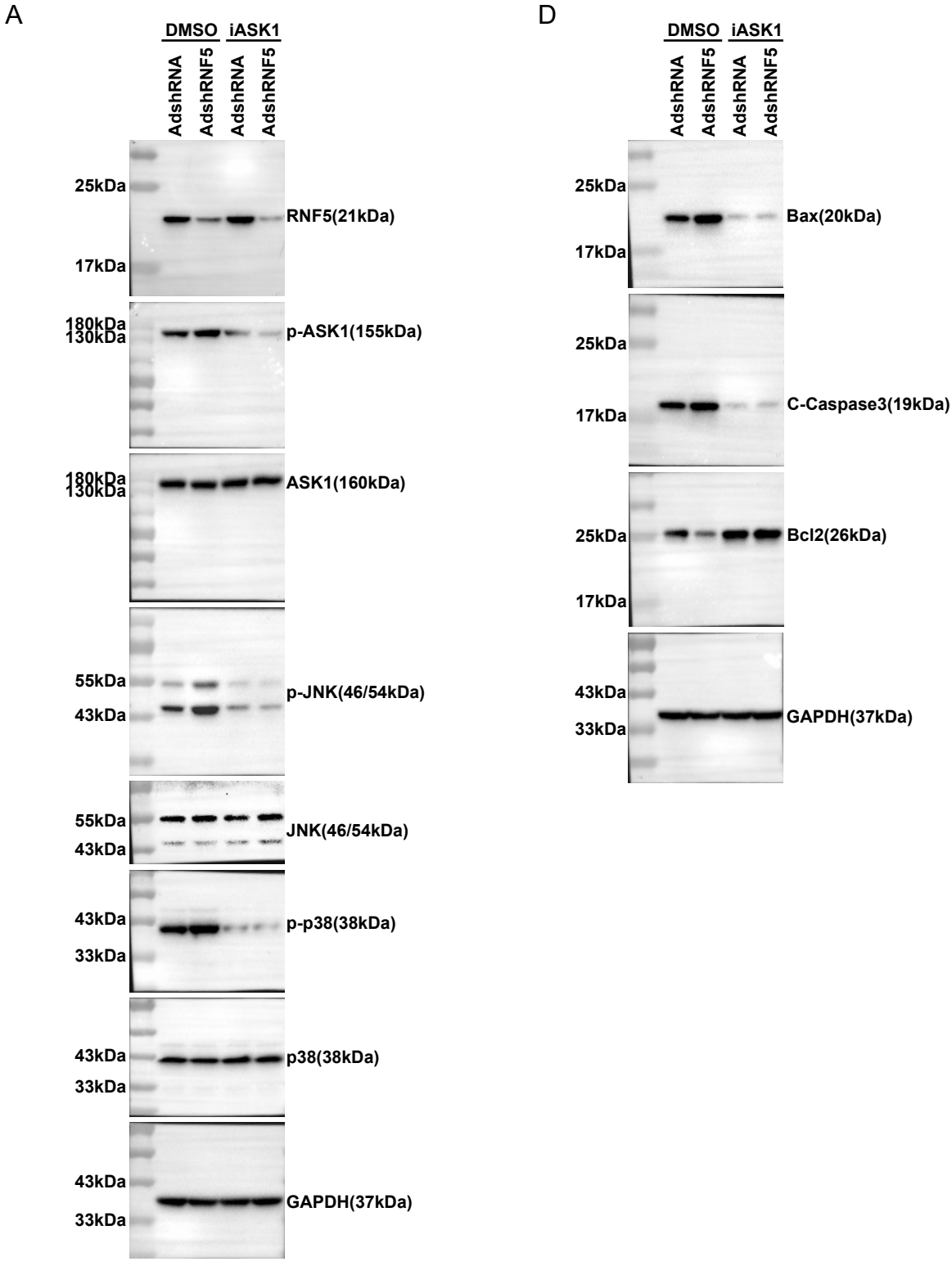

Control
OGD
AdGFP
AdRNF5
AdGFP
AdRNF5
180kDa
130kDa
p-ASK1(155kDa)
180kDa
130kDa
ASK1(160kDa)
55kDa
43kDa
p-JNK(46/54kDa)
55kDa
43kDa
JNK(46/54kDa)
43kDa
33kDa
p-p38(38kDa)
43kDa
33kDa
p38(38kDa)
43kDa
33kDa
GAPDH(37kDa)

Figure 6


A
DMSO
iASK1
AdshRNA
AdshRNF5
AdshRNA
AdshRNF5
25kDa
17kDa
RNF5(21kDa)
180kDa
130kDa
p-ASK1(155kDa)
180kDa
130kDa
ASK1(160kDa)
55kDa
43kDa
p-JNK(46/54kDa)
55kDa
43kDa
JNK(46/54kDa)
43kDa
33kDa
p-p38(38kDa)
43kDa
33kDa
p38(38kDa)
43kDa
33kDa
GAPDH(37kDa)
D
DMSO
iASK1
AdshRNA
AdshRNF5
AdshRNA
AdshRNF5
25kDa
17kDa
Bax(20kDa)
25kDa
17kDa
C-Caspase3(19kDa)
25kDa
17kDa
Bcl2(26kDa)
43kDa
33kDa
GAPDH(37kDa)