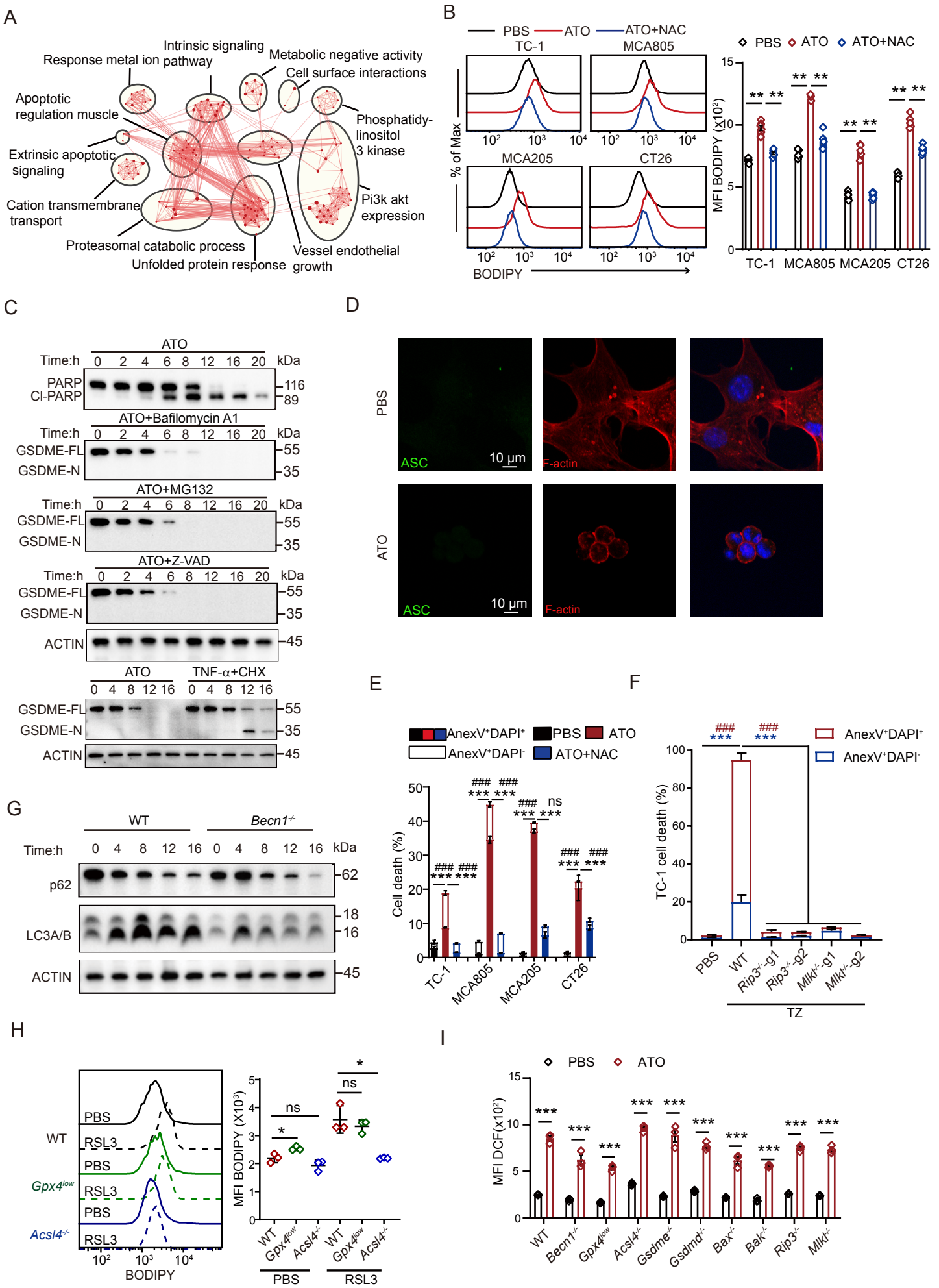
A
Response metal ion
Intrinsic signaling pathway
Metabolic negative activity
Cell surface interactions
Apoptotic regulation muscle
Phosphatidy-linositol 3 kinase
Extrinsic apoptotic signaling
Pi3k akt expression
Cation transmembrane transport
Proteasomal catabolic process
Unfolded protein response
Vessel endothelial growth
B
PBS ATO ATO+NAC
TC-1
MCA805
MCA205
CT26
% of Max
BODIPY
MFI BODIPY (x10²)
C
ATO
Time:h 0 2 4 6 8 12 16 20 kDa
PARP
Cl-PARP
116
89
ATO+Bafilomycin A1
GSDME-FL
GSDME-N
55
35
ATO+MG132
ATO+Z-VAD
ACTIN
45
ATO
TNF-α+CHX
D
PBS
ATO
ASC
10 μm
F-actin
E
AnexV⁺DAPI⁺
AnexV⁺DAPI⁻
PBS
ATO
ATO+NAC
Cell death (%)
TC-1
MCA805
MCA205
CT26
F
TC-1 cell death (%)
PBS
WT
Rip3⁻/⁻-g1
Rip3⁻/⁻-g2
Mlkl⁻/⁻-g1
Mlkl⁻/⁻-g2
TZ
G
WT
Becn1⁻/⁻
Time:h 0 4 8 12 16 0 4 8 12 16 kDa
p62
LC3A/B
62
18
16
ACTIN
45
H
WT
Gpx4low
Acsl4⁻/⁻
PBS
RSL3
BODIPY
MFI BODIPY (X10³)
ns
I
PBS
ATO
MFI DCF(x10²)
WT
Becn1⁻/⁻
Gpx4low
Acsl4⁻/⁻
Gsdme⁻/⁻
Gsdmd⁻/⁻
Bax⁻/⁻
Bak⁻/⁻
Rip3⁻/⁻
Mlkl⁻/⁻

Fig.S4