**Figure 5**

A. Western blot images showing the expression levels of LC3B-I, LC3B-II, ATG7, and ACTB under different conditions.

B. Graphs showing the apoptosis and cell death percentages with bars indicating statistical significance.

C. Western blot images of cleaved Caspase-3 and pro-Caspase-3 with matched graphs showing their relative intensities.

D. Graphs showing CMFDA+AnnV+ events with bars indicating statistical significance.

E. Western blot images of LG3, 20S Proteasome, LAMP2, Syntenin-1, and Ponceau Red with matched graphs showing their relative intensities.
Figure 6

A

Apoptosis cell death HO1/PI (%)

MW  V  DEVD

25  15  10  5  0

*** *

B

Relative intensity LG3 in ApoEx (AU)

MW  V  DEVD

25  20  15  10  5  0

** *

Proteasome

25  20  15  10  5  0

** *

LAMP2

75  70  65  60  55  50

Ponceau Red

75  70  65  60  55  50

Ponceau Red

C

WT

Caspase 3 KO

AL

AL

Mean distance (µm) of autolysosomes from the cell membrane

WT  Caspase 3 KO

** *

D

Lysozome surface / cell surface (%)

WT  Caspase 3 KO

ns

Autophagosome surface / cell surface (%)

WT  Caspase 3 KO

ns

MVB surface / cell surface (%)

WT  Caspase 3 KO

ns

Autolysosome surface / cell surface (%)

WT  Caspase 3 KO

*