

SREP-17-17838A_Supplementary Information

Antitumor properties of Coenzyme Q₀ against human ovarian carcinoma cells via induction of ROS-mediated apoptosis and cytoprotective autophagy

You-Cheng Hseu^{a,b}, Tai-Jung Tsai^c, Mallikarjuna Korivi^c, Jer-Yuh Liu^d, Hui-Jye Chen^e,
Chung-Ming Lin^f, Yi-Chun Shen^c, Hsin-Ling Yang^{c,*}

^aDepartment of Cosmeceutics, College of Biopharmaceutical and Food Sciences, China Medical University, Taichung 40402, Taiwan

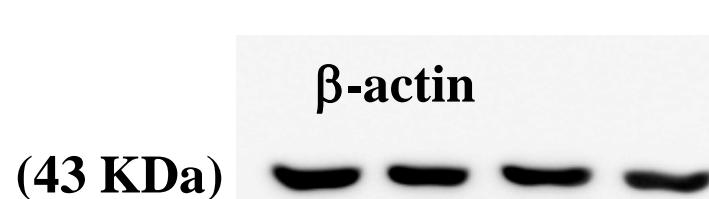
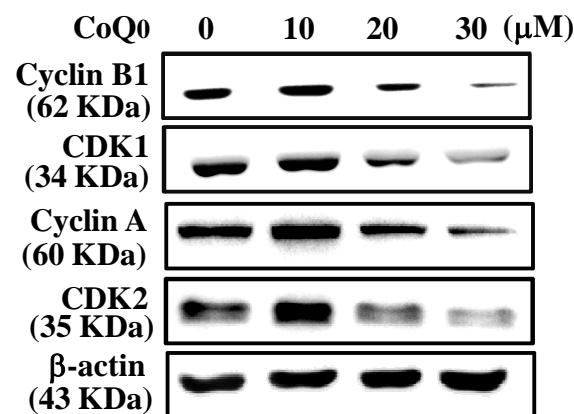
^bDepartment of Health and Nutrition Biotechnology, Asia University, Taichung 41354, Taiwan

^cInstitute of Nutrition, College of Biopharmaceutical and Food Sciences, China Medical University, Taichung 40402, Taiwan

^dGraduate Institute of Cancer Biology, China Medical University, Taichung 40402, Taiwan

^eGraduate Institute of Basic Medical Science, China Medical University, Taichung 402, Taiwan

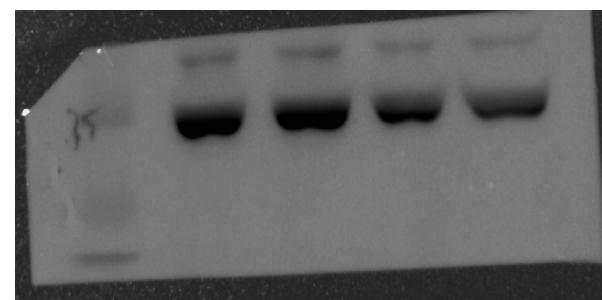
^fDepartment of Biotechnology, Ming Chuan University, Taoyuan 333, Taiwan

H

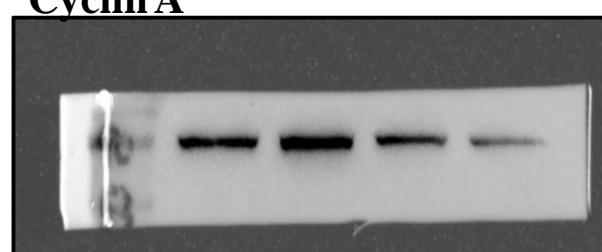
Cyclin B1
(62 KDa)



CDK1
(34 KDa)



Cyclin A
(60 KDa)



CDK2
(35 KDa)

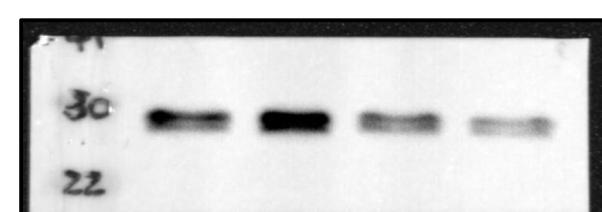
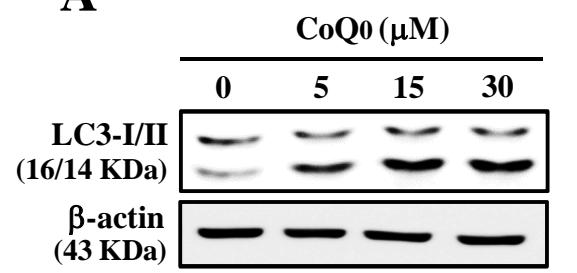
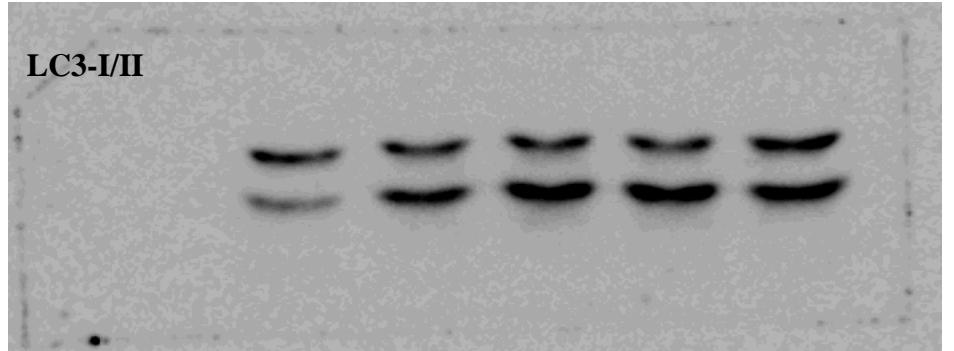
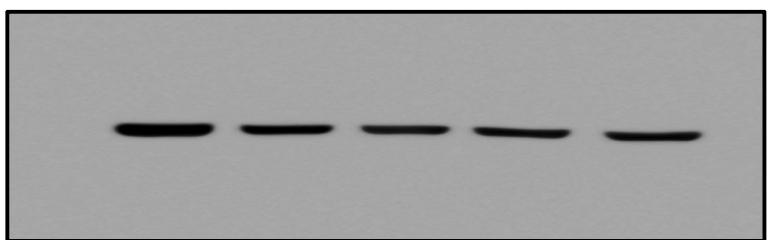
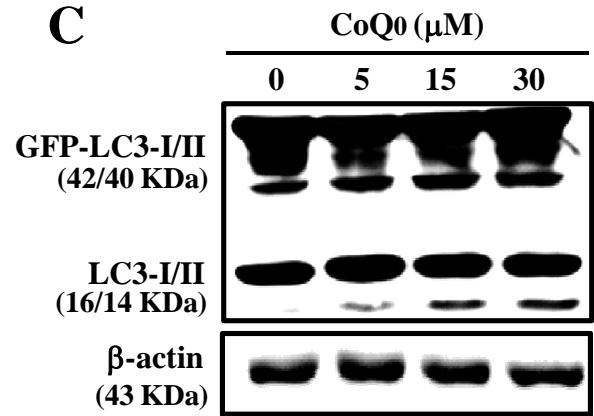
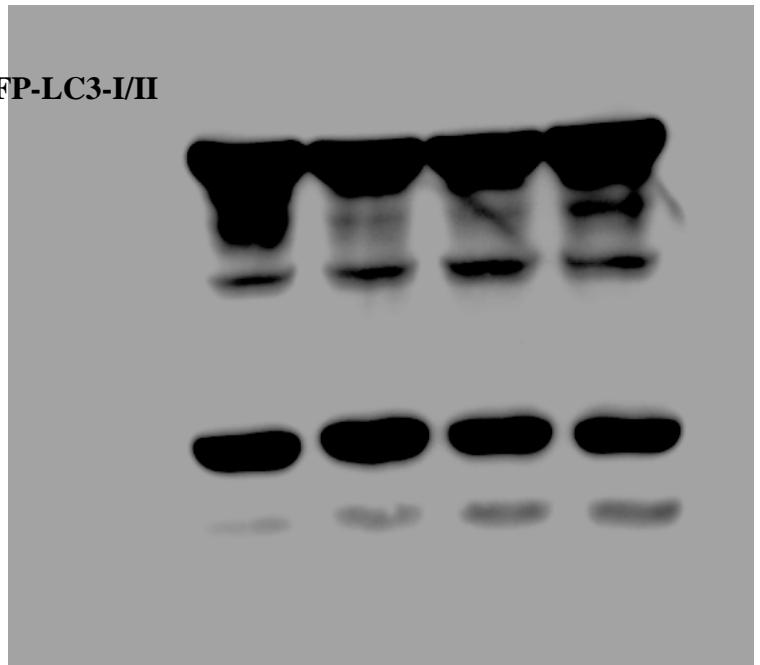
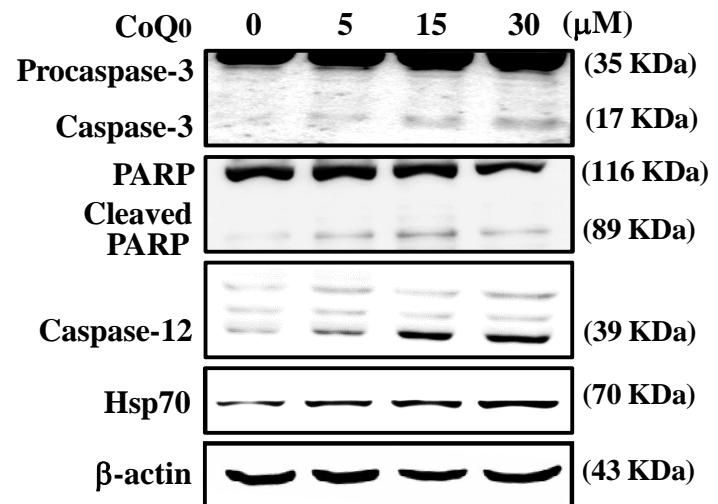
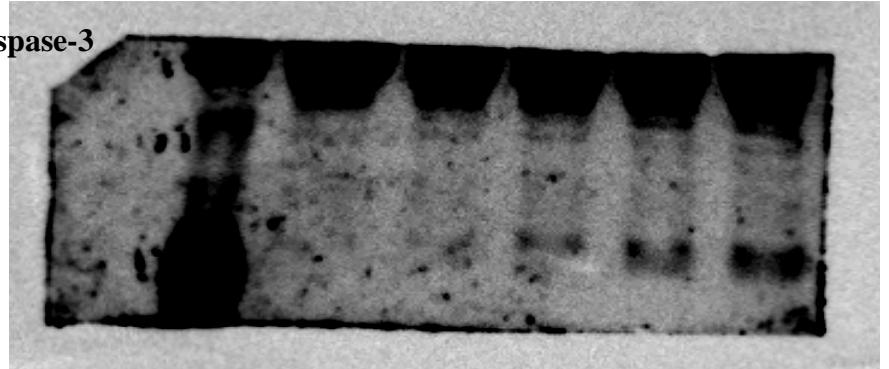
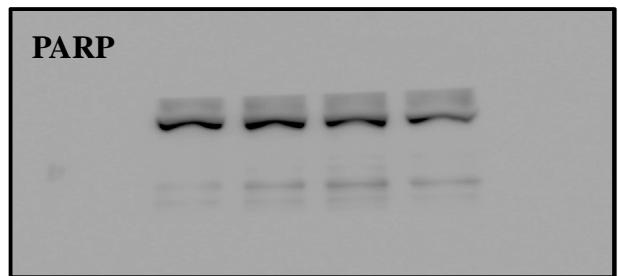
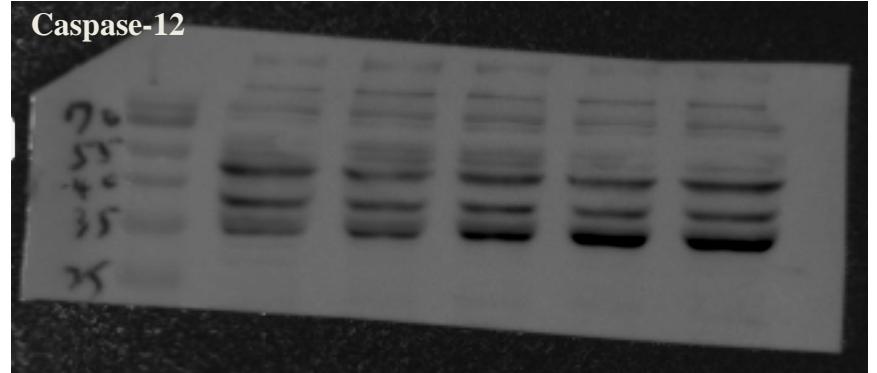
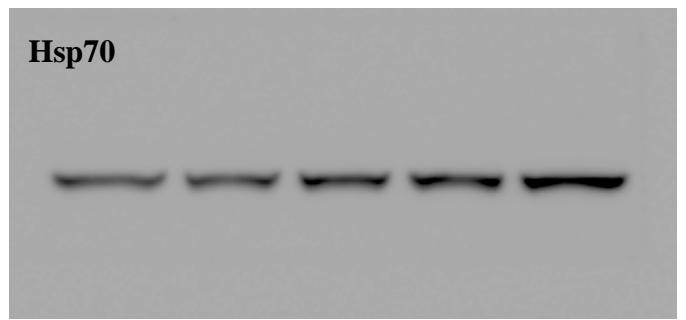


Fig 1

A**LC3-I/II** **β -actin****C****GFP-LC3-I/II****Fig 3**

A**Procaspase-3****PARP****Caspase-12****Hsp70****Fig 4**

C

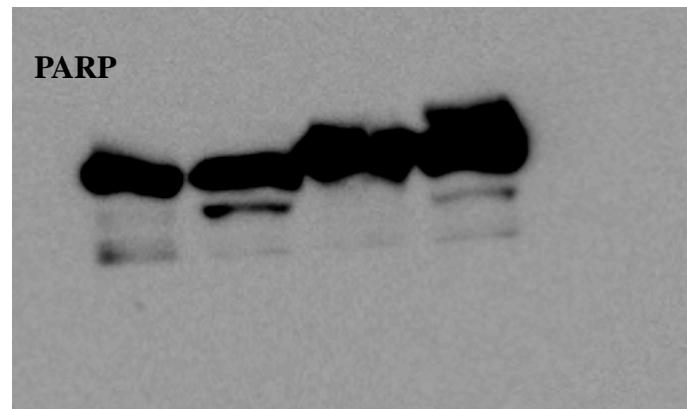
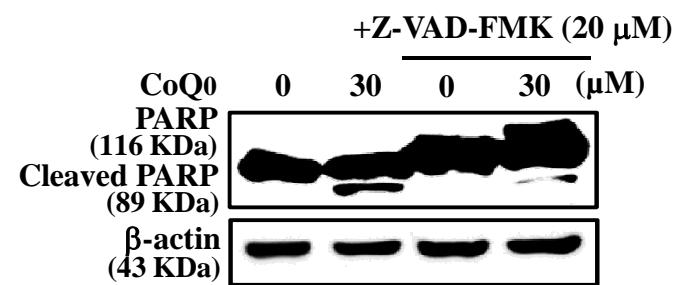
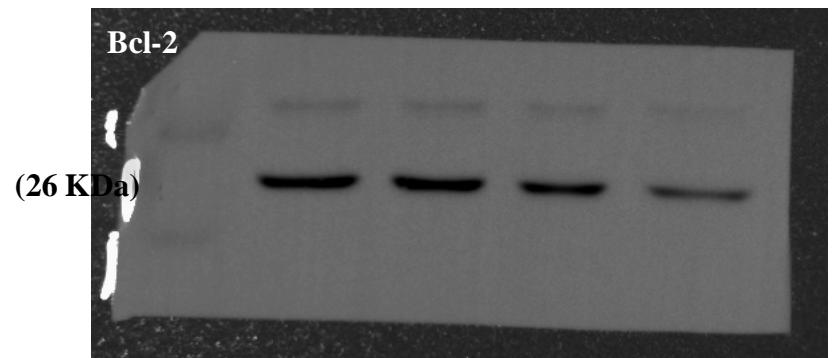
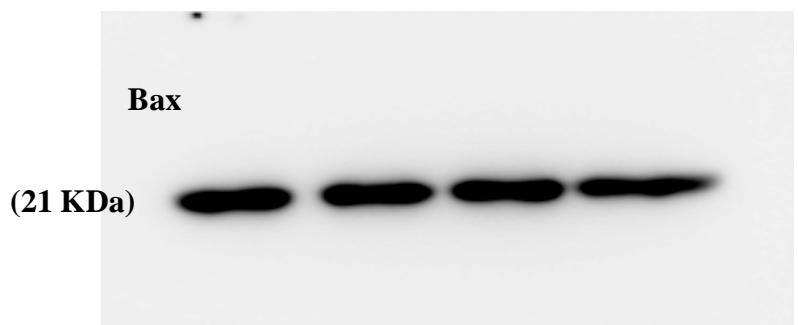
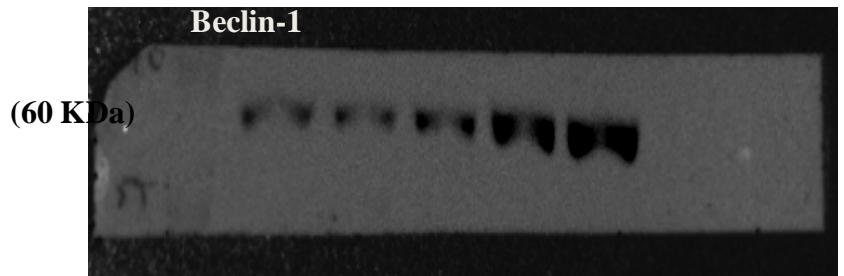
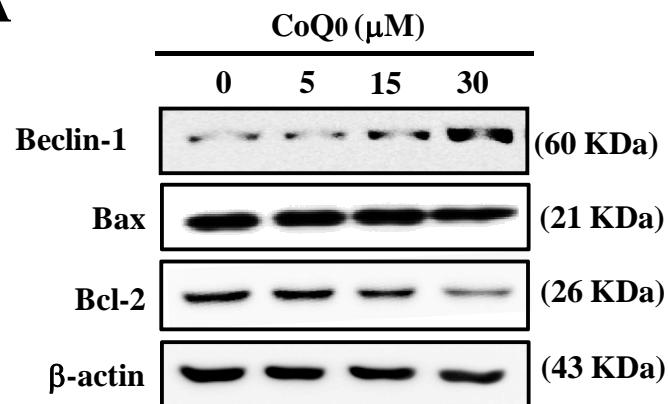
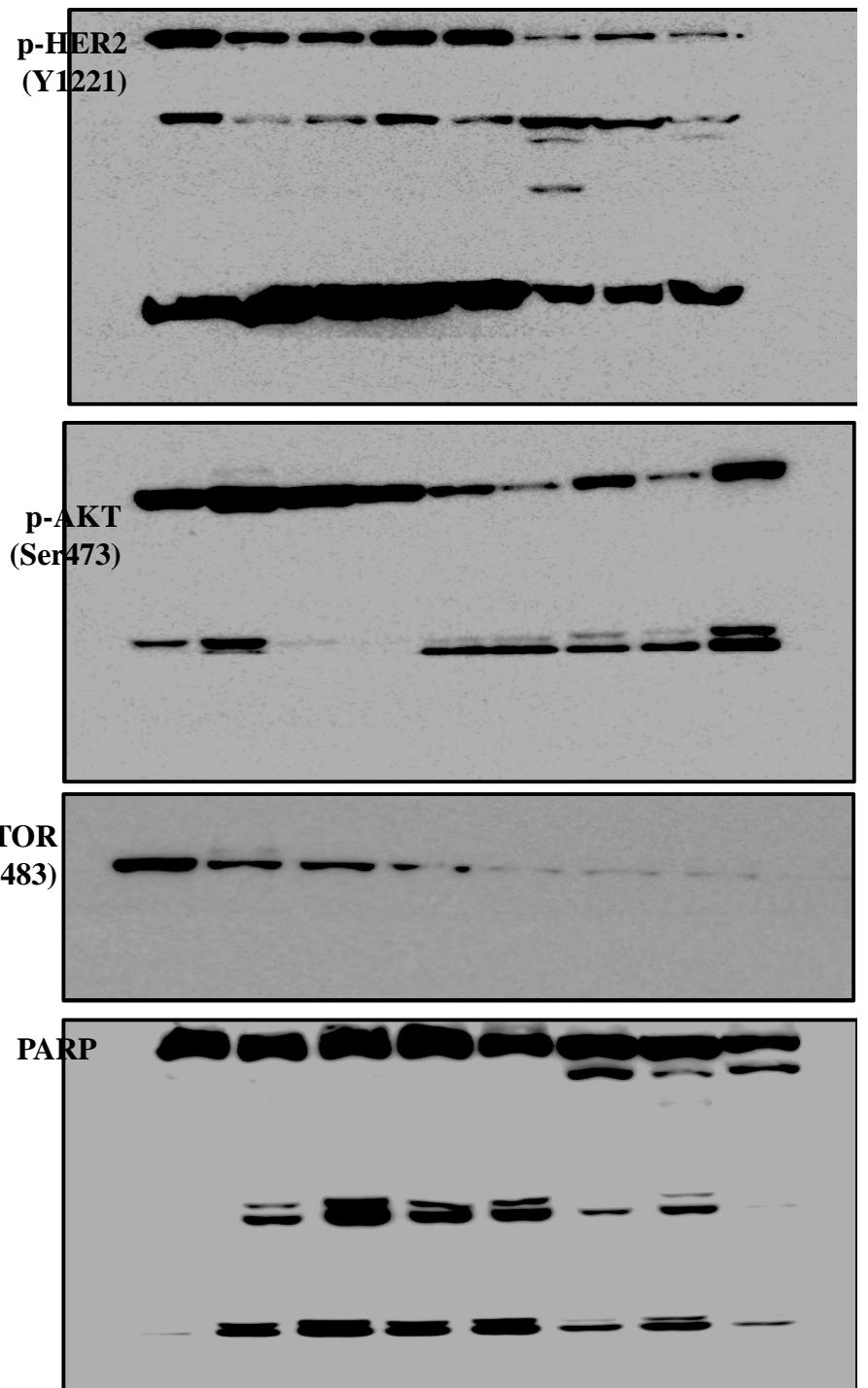
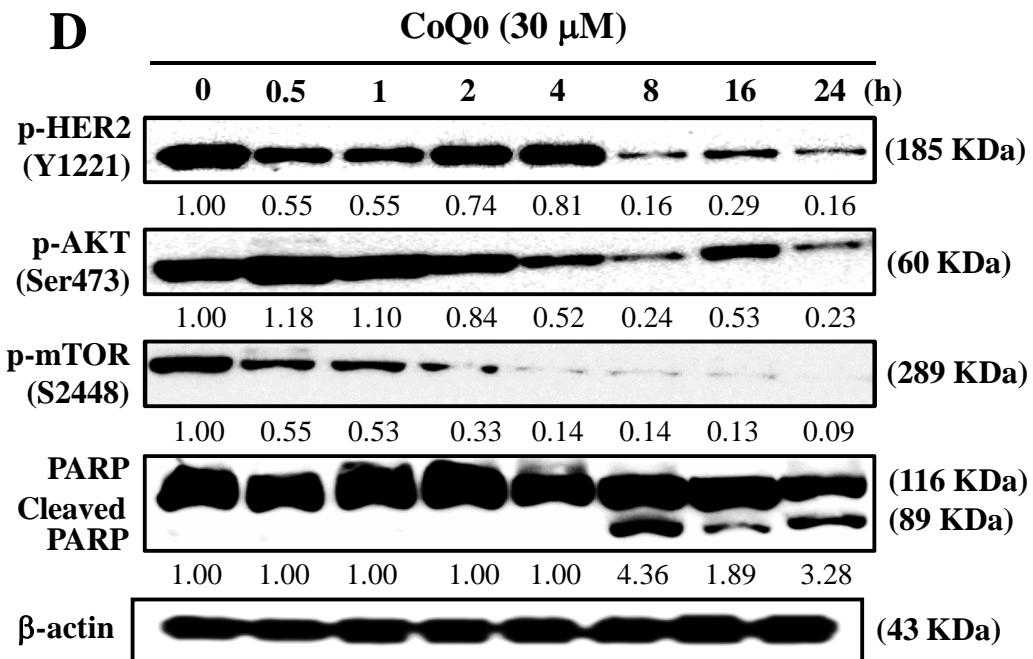


Fig 5

A**Fig 6**

D**Fig 6**

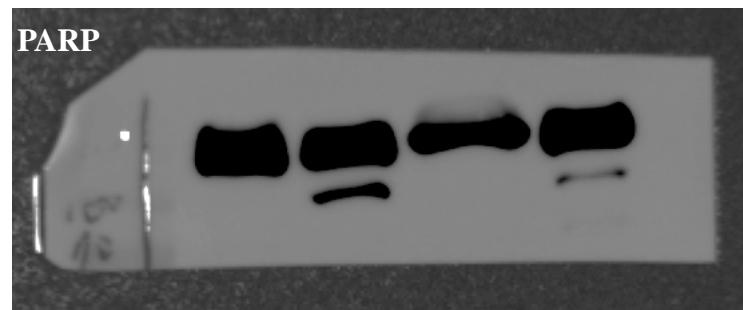
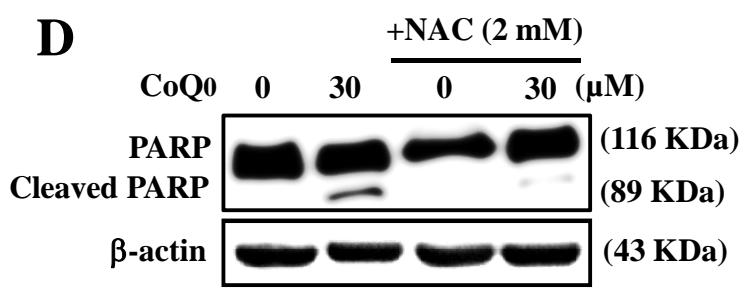
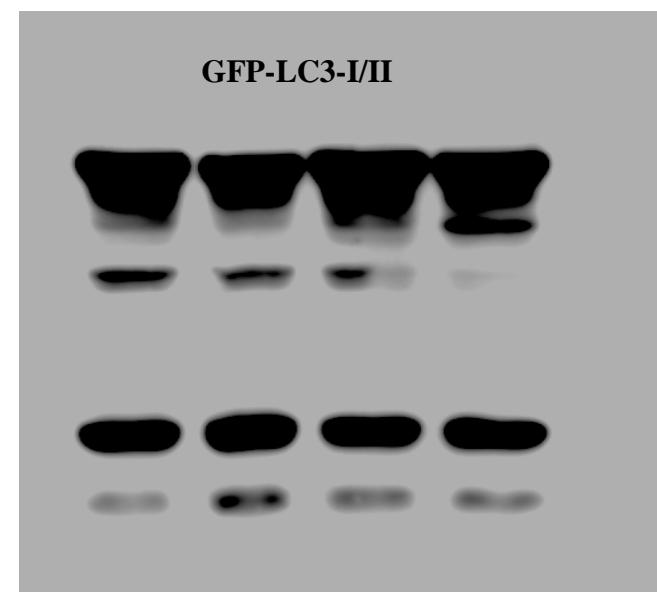
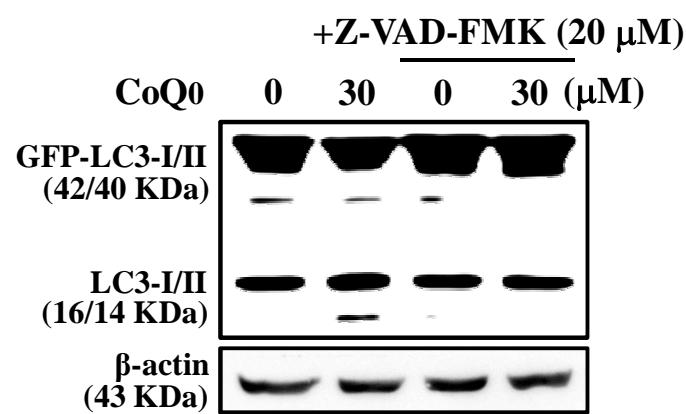
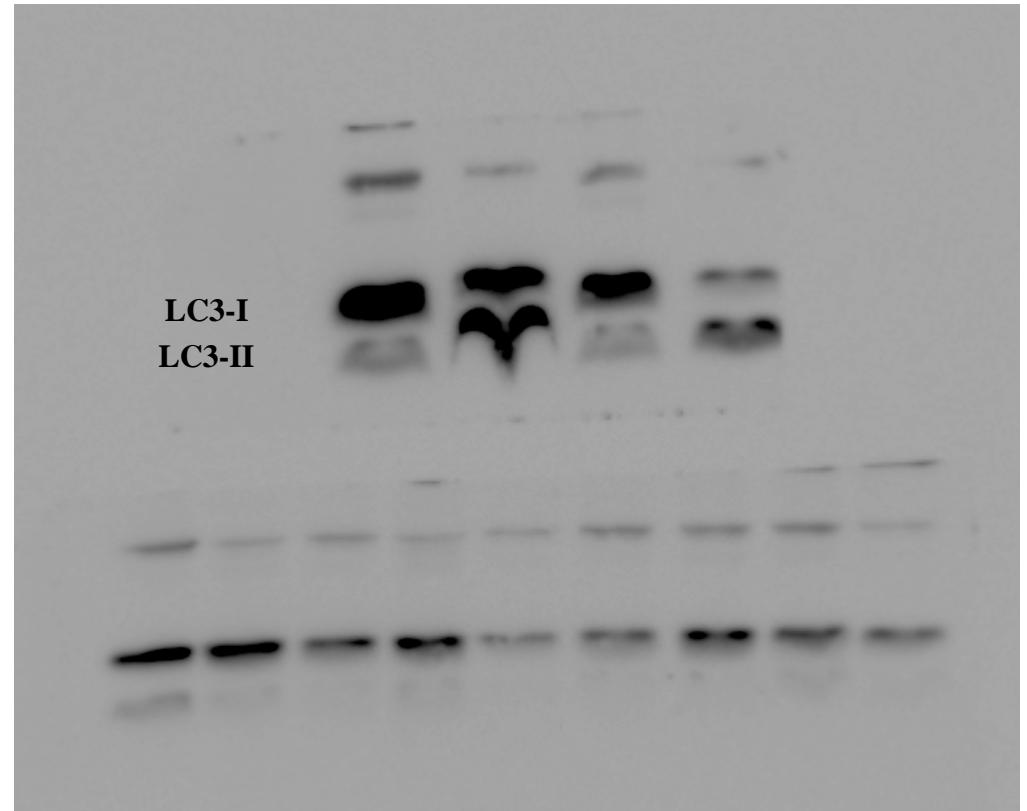
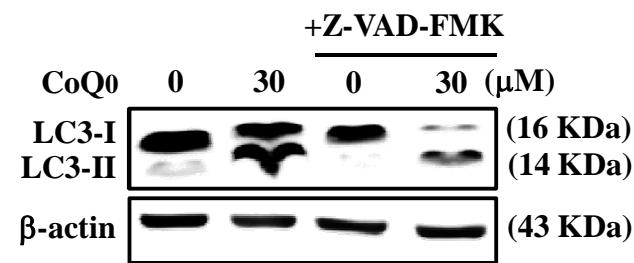


Fig 7

A**Fig 8**

C

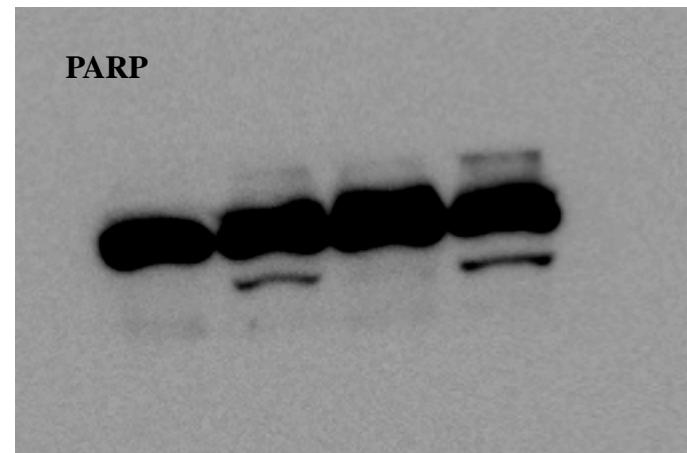
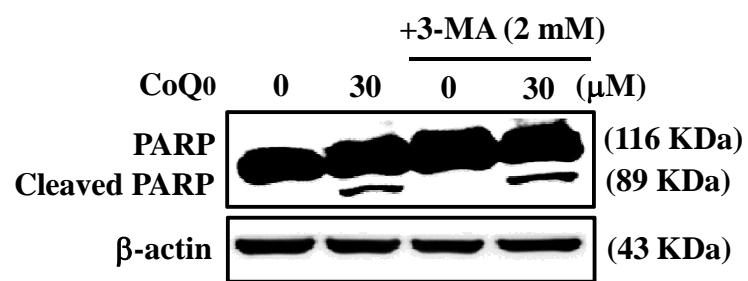


Fig 9