Supporting Information for

Endoplasmic reticulum stress-mediated p62 downregulation inhibits apoptosis via c-Jun upregulation

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Supplementary Fig. S1. HBSS (Hank’s Balanced Salt Solution) treatment attenuates p62 and elevates c-Jun protein level in HEK293T cells. HEK293T cells were treated with growth medium or HBSS (12 and 24 h) to activate autophagy. Cell lysates were immunoblotted with the indicated antibodies.

Supplementary Fig. S2. CRBN interacts with p62. HEK293T cells were transfected with GFP-p62 or GFP-p62 and FS-CRBN for 48 h and the resulting cell lysates were subjected to immunoprecipitation using anti-FLAG affinity gel. Cell lysates and immunoprecipitates were immunoblotted with the indicated antibodies.
Supplementary Fig. S3. c-Jun protects cells against brefeldin A-induced apoptosis. (A) HEK293T cells were transfected with siNC or sic-Jun for 48 h. Cell lysates were subjected to immunoblotting with the indicated antibodies. (B) HEK293T cells were transfected with siNC or sic-Jun for 48 h and then treated with brefeldin A (5 μg/mL) for 24 h. Cells were subjected to immunofluorescence analysis after staining with PI (propidium iodide) and Hoechst. PI was used to label the apoptotic cells. Scale bar: 20 μm. (C) Mean±SDs were obtained for (B) from three biological replicates. Student’s t-test, *: P < 0.05. sic-Jun sense: CCUUCUAUGACGAUGCCCUTT; sic-Jun anti-sense: AGGGCAUCGUCAUAGAAGGT.