Supplemental figures for:

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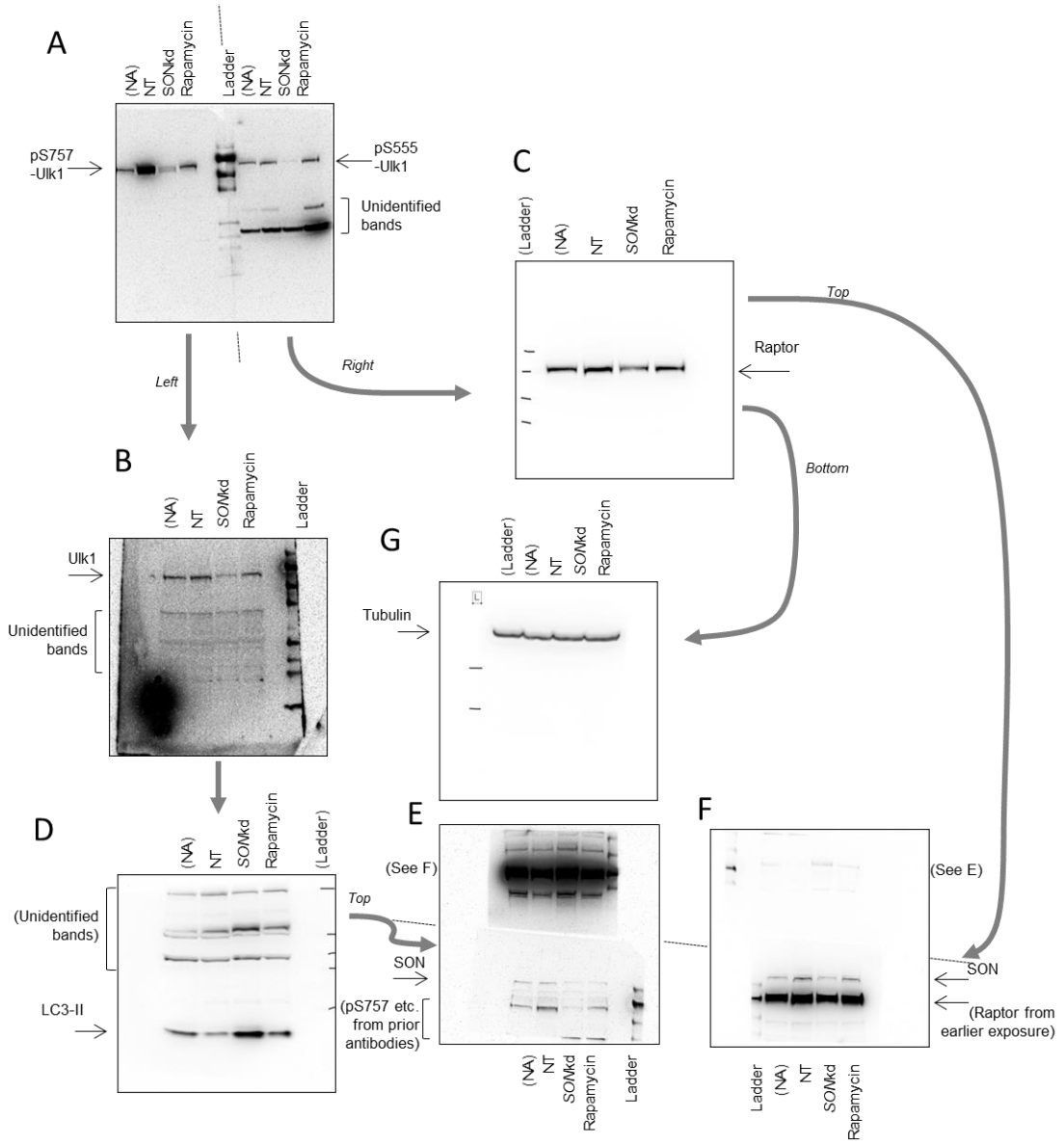
“SON DNA Binding Protein controls macrophage autophagy and responses to intracellular infection.”

Whole (uncropped) images of Western blots in Figures 3A, 3D, 4A, 6B.



Supplement to Figure 3A. Protein extracts were loaded in duplicate wells of a 4-12% gradient gel. After transfer, the membrane was cut in half down the molecular weight ladder to allow probing with different phosphospecific antibodies. Thick arrows indicate the sequence of antibodies used. NA: additional treatment not included in Figure 3.

A: The two halves of the membrane were incubated in parallel with anti-pS757-Ulk1 (left) and anti-pS555-Ulk1 (right). After exposure to HRP-linked anti-rabbit secondary antibody, the two halves were re-aligned for imaging. The dashed line indicates the cut separating the membrane.

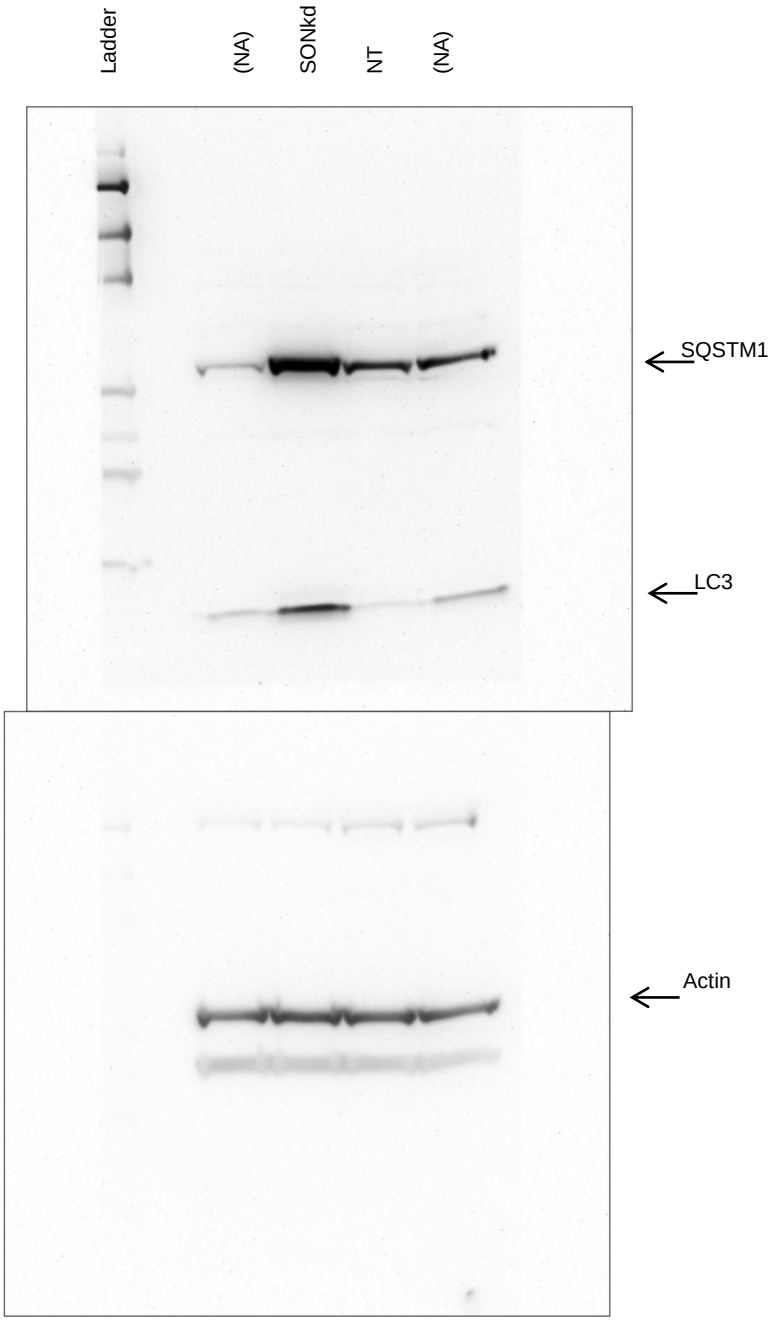
B: The left half of the membrane was probed for total Ulk1 followed by anti-mouse secondary.

C: The right half of the membrane was probed for raptor. Approximate ladder band positions were added to the image in FluorChem2 acquisition software.

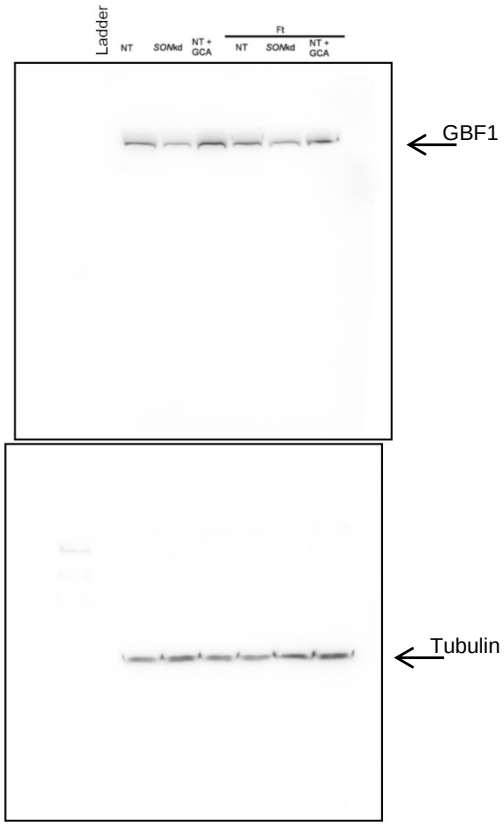
D: The left half of the membrane was probed for LC3.

E&F: The membranes were then cut horizontally around the 80 kDa band. The top halves were probed together against SON and imaged together. One fragment was rotated for image acquisition; F is the same image as E, rotated and with appropriate contrast adjustments. The dashed lines indicate the separation between the two halves. Lane labels refer to the bottom portion of each image. Only the right hand fragment (F) was used in Figure 3A.

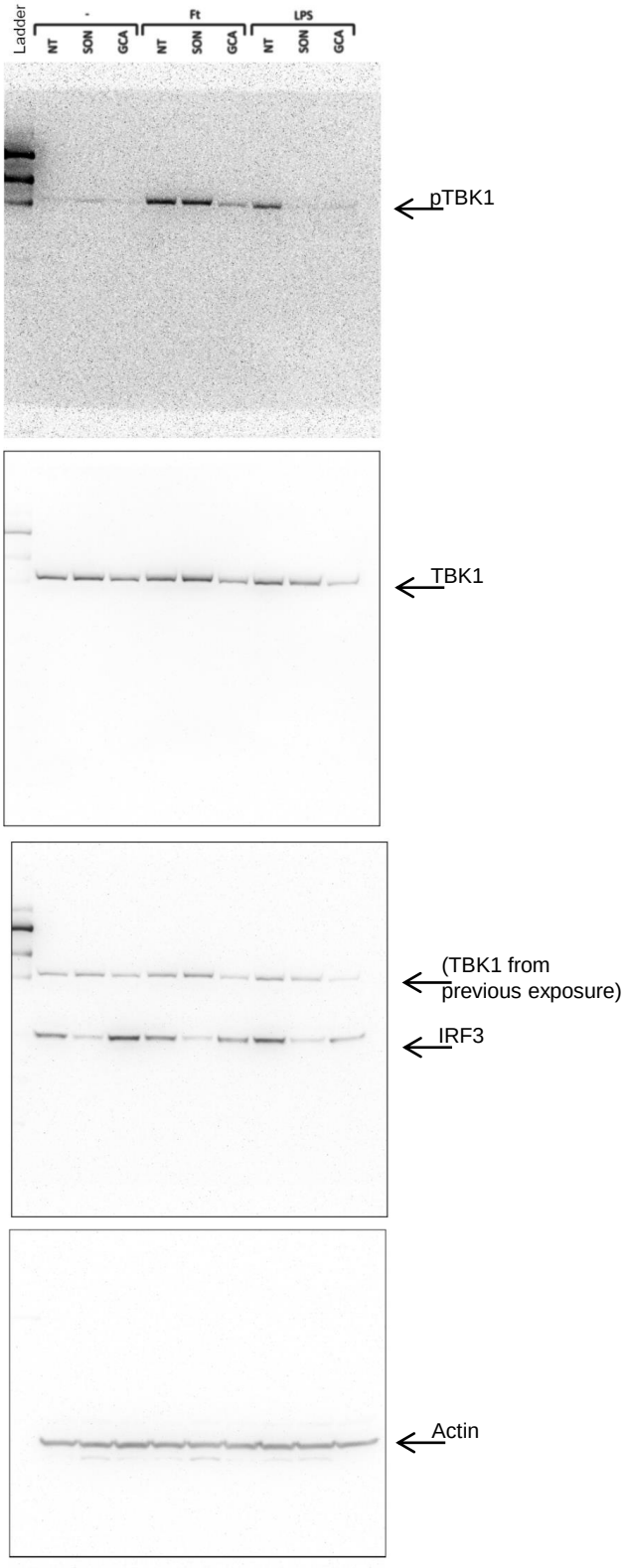
G: The bottom half of the right hand portion was probed for tubulin.



Supplement to Figure 3D. The membrane was probed with a mixture of anti-SQSTM1 and anti-LC3 (top), then re-probed with anti-actin (bottom). NA: additional treatment not included in figure.



Supplement to Figure 4A.



Supplement to Figure 6B.