

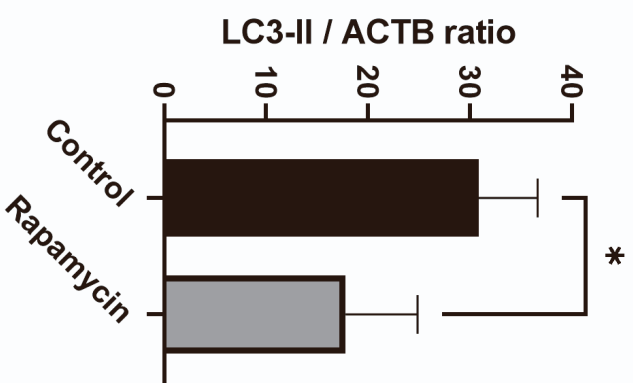
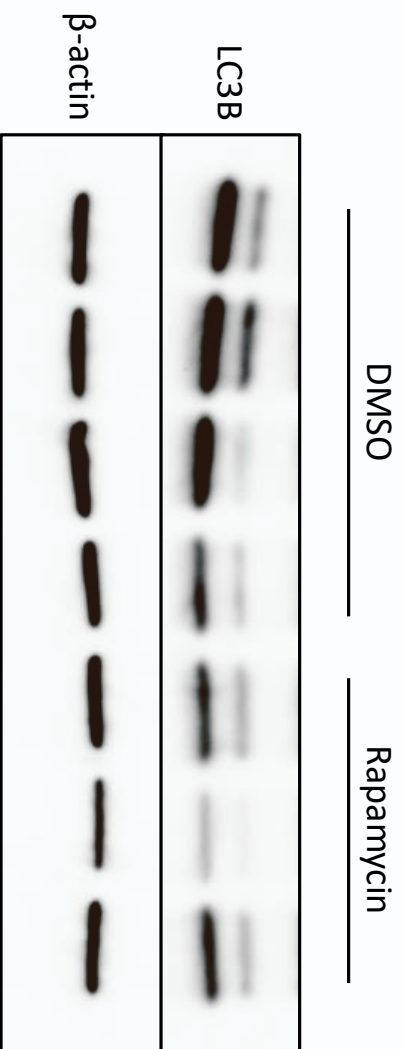
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Supplemental information

**Essential role for epithelial HIF-mediated
xenophagy in control of *Salmonella* infection
and dissemination**

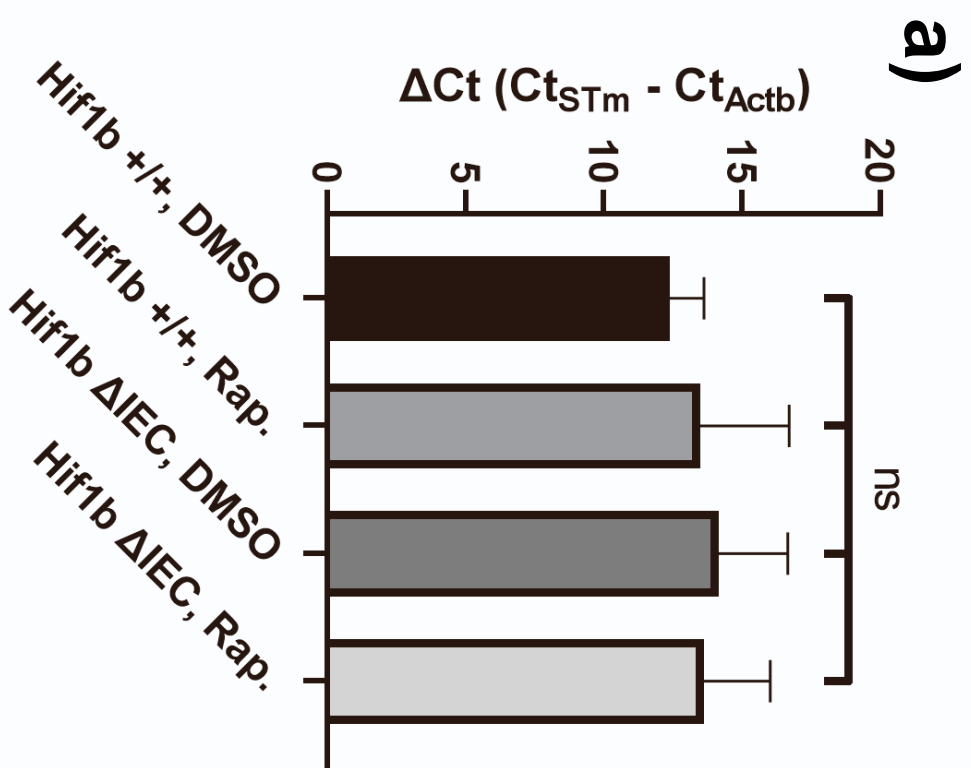
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Supplementary Figure 1: Activation of autophagy in the intestinal epithelium by daily administration of rapamycin. Related to Figure 7



Rapamycin (8 mg/kg) or DMSO vehicle was administered to C57BL/6J wild-type mice daily for four days, at which time mice were sacrificed and IFCs isolated for Western Blot. Each lane represents a separate biological replicate. Densitometry analysis of Western Blot given at right. * $p < 0.05$ by t-test.

Supplementary Figure 2: Assessment of intestinal colonization in WT or Hif1b Δ IEC mice, treated with either DMSO or rapamycin. Related to Figure 7



No statistically significant difference in *S. Typhimurium* colonization of terminal ileum is observed between experimental groups as measured by qPCR detecting *S. Typhimurium*-specific 16S rRNA. Statistics by one-way ANOVA after normalization to Actb.

Supplementary Table 1: qPCR Primers Used in this Study. Related to Figures 1, 3, 5, and 6

	Fwd (5' -> 3')	Rev (5' -> 3')
<u>Human</u>		
<i>apol1</i>	GAGGTGAGGGAGTTTTTGGGT	TCGTGTGAGTTGGTAAGTATTGC
<i>atg9b</i>	TGTGCTCACCGTCTACGAC	GGGAGGTAGTGCATGTGGG
<i>bnip3</i>	CAGGGCTCCTGGGTAGAACT	CTACTCCGTCCAGACTCATGC
<i>nod2/card15</i>	TGGTTCAGCCTCTCACGATGA	CAGGACACTCTCGAAGCCTT
<i>gabarapl1</i>	ATGAAGTTCCAGTACAAGGAGGA	GCTTTTGGAGCCTTCTCTACAAT
<i>gpsm3</i>	AGGAGTTTTTCCCAGTCTCAGT	TTCTCTTCCCACCCAAACAGC
<i>irgm</i>	CAAAGGCTGGTGGCTTACTTC	GGGCACTTGGGACACTCTG
<i>map1lc3a</i>	AACATGAGCGAGTTGGTCAAG	GCTCGTAGATGTCCGCGAT
<i>atg9a</i>	ACGAAGATGTGTTGGCTGTG	ATAAAGGACCTGCACACGGT
<i>map1lc3b</i>	GATGTCCGACTTATTCGAGAGC	TTGAGCTGTAAGCGCCTTCTA
<i>bnip3l</i>	ATGTCGTCCACCTAGTCGAG	TGAGGATGGTACGTGTTCCAG
<i>actb</i>	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT
<u>Mouse</u>		
<i>Hif1b</i>	GACAGACCACAGGACAGTTCC	AGCATGGACAGCATTCTTGAA
<i>Pgk1</i>	ATGTCGCTTTCCAACAAGCTG	GCTCCATTGTCCAAGCAGAAT
<i>Atg9</i>	ATGTACCCGAAGGACTCCG	CATCCGCTGATGATAGCTGT
<i>Ckb</i>	AGTTCCTGATCTGAGCAGC	GAATGGCGTCGTCCAAAGTAA
<i>Il6</i>	GTAGCTATGGTACTCCAGAAGAC	ACGATGATGCACTTGCAGAA
<i>Il1b</i>	GCCCATCCTCTGTGACTCAT	AGGCCACAGGTATTTGTGCG
<i>Ccl2</i>	CTGGATCGGAACCAAATGAG	AAGGCATCACAGTCCGAGTC
<i>Actb</i>	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCATGT