Supplemental figure 4. The SIRT1-C/EBPα-LBR axis regulates the over-segmentation of Naged.

(A) Expression of the LBR mRNA in neutrophils from the PB of patients with breast fibroadenoma and the BM of naïve mice treated with SRT1720 for 4 hours in vitro. (B to E) Representative images of Giemsa staining (B), flow cytometry analysis (C) and the mRNA expression of the LBR (D) in neutrophils from the BM of naïve mice treated with GM-CSF for 24 hours in vitro. (E) Representative images of neutrophils transfected with the siControl or siLBR plasmid by electroporation and incubated with GM-CSF for 24 h. (F and G) Representative images of Giemsa staining (F) and validation of the level of the LBR protein (G) in siControl- and siLBR-transfected neutrophils treated with SRT1720. siC, siControl. (H) Expression of the C/EBPα mRNA in neutrophils from the BM of naïve mice treated with SRT1720 for 4 hours in vitro. Data are presented as the means ± SD from one representative experiment. Statistical analysis was performed by two-tailed unpaired Student’s t test (A, C, D, H). ns, not significant, *p<0.05, **p<0.01, and ***p<0.001.