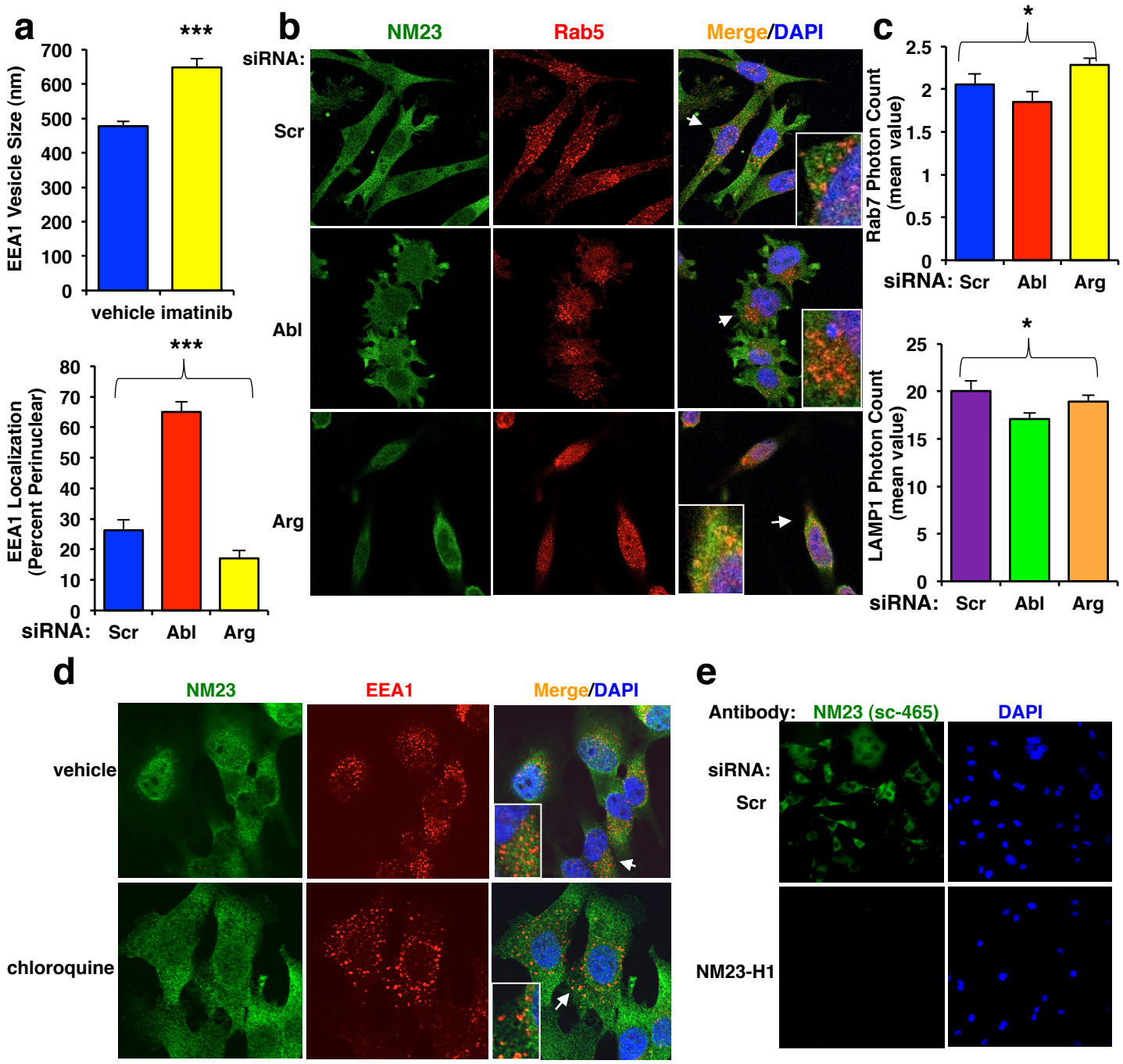


**Figure S5. c-Abl affects endocytic trafficking. (a) (top)** Early endosome size was quantitated on a confocal microscope. (a) vehicle, n=63 cells; imatinib, n=76. ***p=<0.001 by t-test. **(bottom)** EEA1 staining distribution (percent of cells with staining in a single perinuclear region vs. distributed all over the cell). Eight fields were analyzed: Scr, n=128 cells; c-Abl, n=117; Arg=104. p<0.001 with a one-way Anova followed by Tukey posthoc tests (Scr vs. c-Abl, c-Abl vs. Arg, p<0.01). **(b)** 435s cells transfected with siRNAs were stained with Rab5 antibody. **(c)** Quantitation of Rab7 and LAMP1 staining (photon count). For Rab7, Scr, n=29 cells; c-Abl, n=34; Arg, n=27. *p=0.028 by one-way Anova and Tukey posthoc test (c-Abl vs. Arg, p<0.05). For LAMP1, Scr, n=33 cells; c-Abl, n=39; Arg, n=38. ***p<0.001 with a one-way Anova followed by Tukey posthoc tests (Scr vs. c-Abl, p<0.05). **(d)** 435s cells were treated with chloroquine (100μM; 4h), stained with EEA1 and NM23-H1 antibodies, and counterstained with DAPI. **(e)** 435s cells were transfected with scrambled or NM23-H1 siRNAs, and stained with NM23-H1 antibody (sc-465, used for immunofluorescence), followed by fluorescent-conjugated secondary antibodies, and counterstained with DAPI.