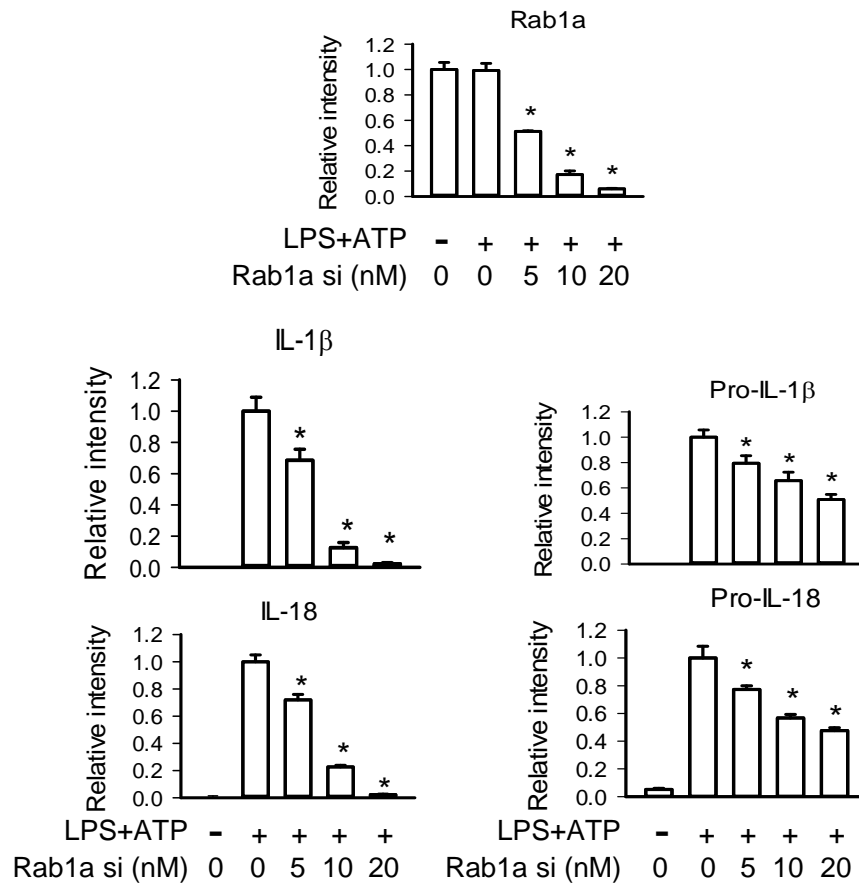
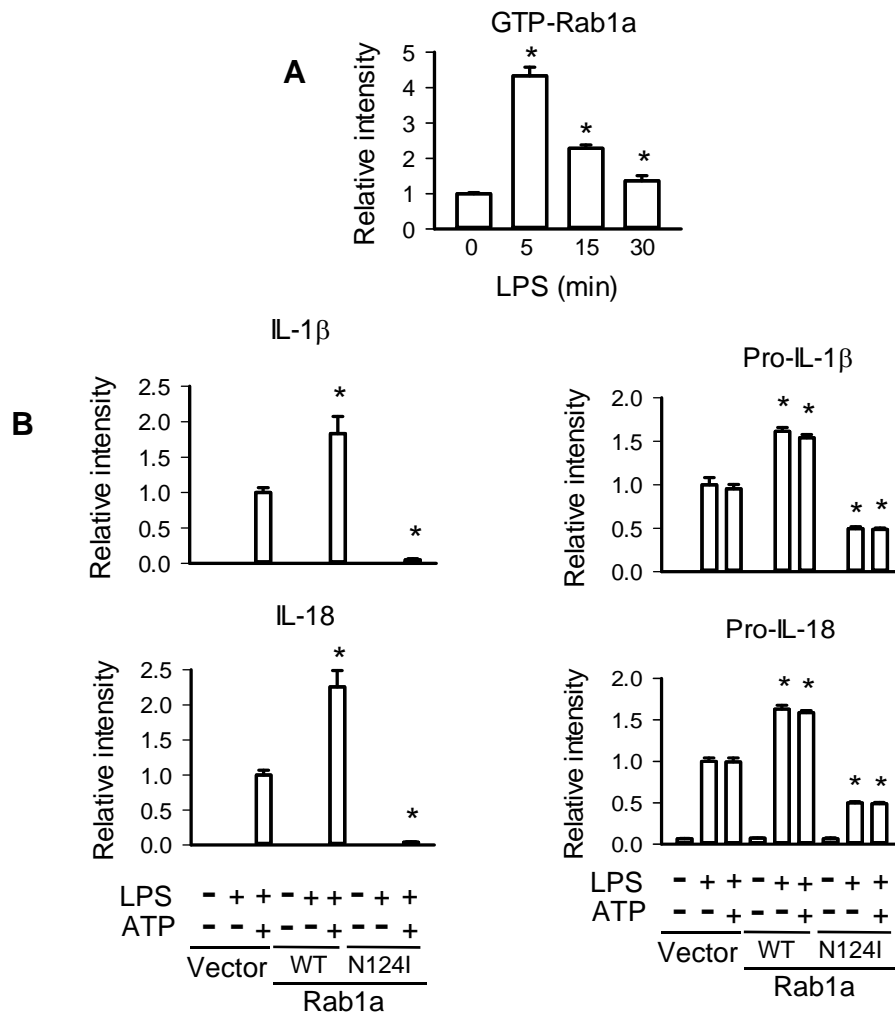


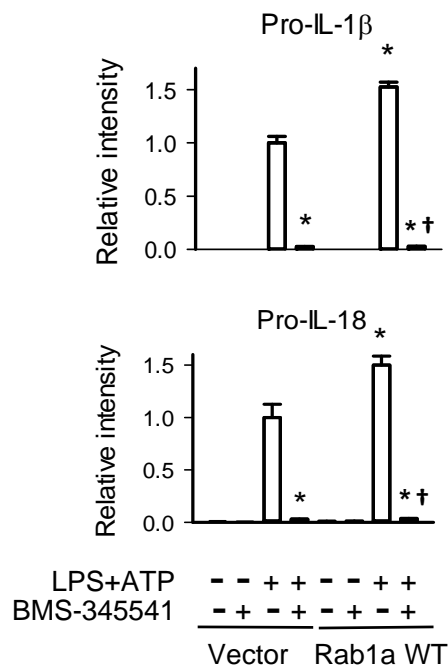
Supplemental Figure 1



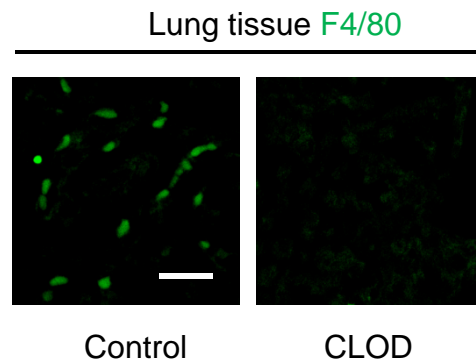
Supplemental Figure 1. Depletion of Rab1a abolishes release of IL-1 β and IL-18 in macrophages. Densitometric analysis of Rab1a, IL-1 β (p17), IL-18, pro-IL-1 β , and pro-IL-18 as shown in Fig 1A. The density of proteins in each control (LPS+ATP) group was used as a standard (1 arbitrary unit) to compare relative densities in the other groups. $n = 3$. * $p < 0.05$, vs. control groups (LPS+ATP), Mann-Whitney test.



Supplemental Figure 2. Inactivation of Rab1a prevents release of IL-1 β and IL-18 in macrophages. (A) Densitometric analysis of GTP-Rab1a as shown in Fig 2A. The density of proteins in control (without LPS) group was used as a standard (1 arbitrary unit) to compare relative densities in the other groups. $n = 3$. * $p < 0.05$, vs. control (without LPS) group, Mann-Whitney test. (B) Densitometric analysis of IL-1 β (p17), IL-18, pro-IL-1 β , and pro-IL-18 as shown in Fig 2B. The density of proteins in vector (LPS+ATP) group was used as a standard (1 arbitrary unit) to compare relative densities in the other groups. $n = 3$. * $p < 0.05$, vs. Vector (LPS+ATP) group, Mann-Whitney test.



Supplemental Figure 3. Inhibition of NF- κ B activation blocks Rab1a-induced production of pro-IL-1 β and pro-IL-18. Densitometric analysis of pro-IL-1 β and pro-IL-18 as shown in Fig 3B. The density of proteins in vector control (LPS) group was used as a standard (1 arbitrary unit) to compare relative densities in the other groups. $n = 3$. * $p < 0.05$, vs. vector control (LPS) group; † $p < 0.05$, vs. LPS+ATP group (Rab1a WT), Mann-Whitney test.



Supplemental Figure 4. Photomicrographs showing depletion of macrophages in the lung. The clodronate liposome (CLOD) was intratracheally delivered to the anesthetized mice. After 2d, lungs were harvested and frozen sections (8 μm) incubated with F4/80 antibody overnight and then with Alexa Fluor488-conjugated secondary antibody for 2 h. Photomicrographs were obtained with a Nikon Eclipse E400 microscope with a 20 \times objective. Scale bar = 20 μm .