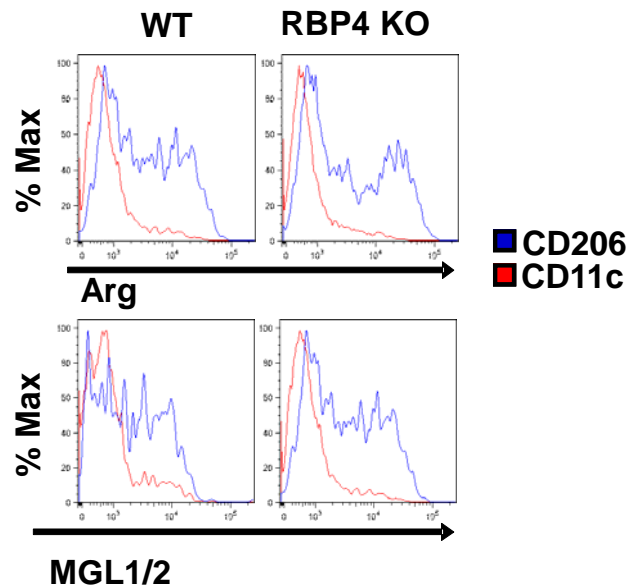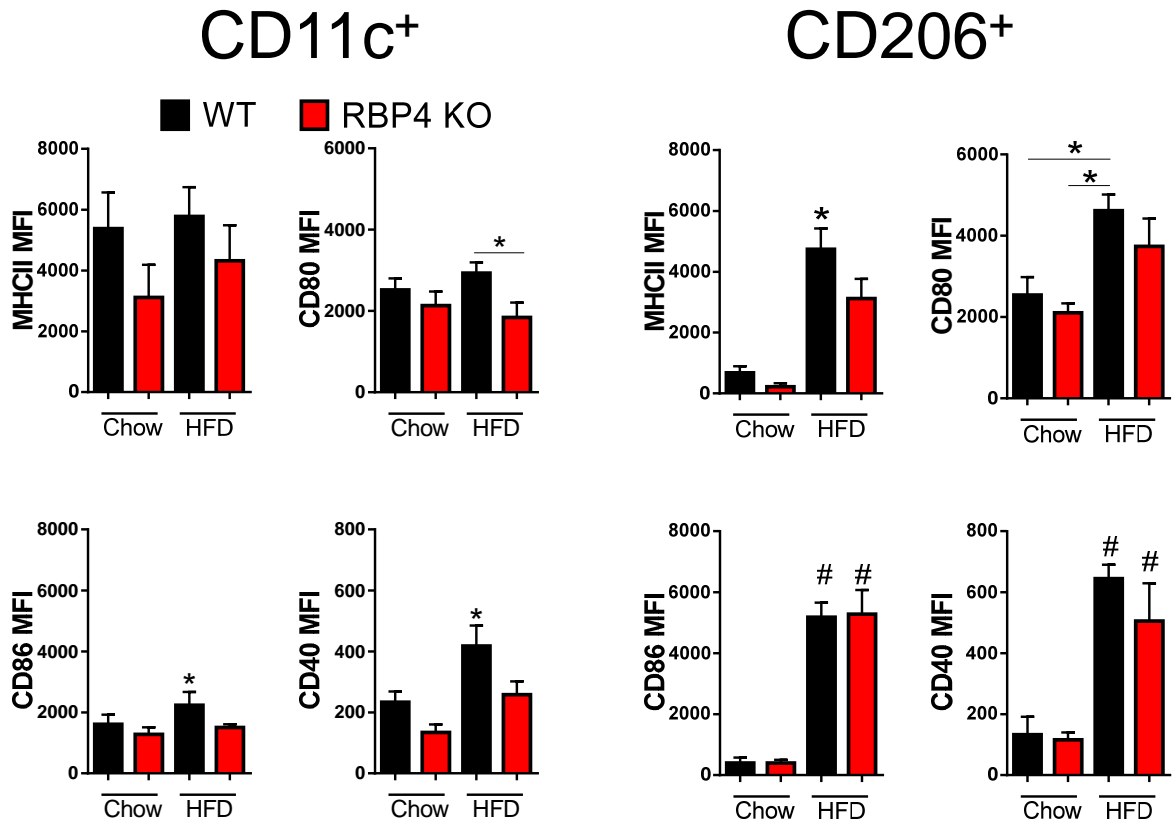SUPPLEMENTARY DATA

Supplementary Figure 1. **Arg-1 and Mgl1/2 expression in CD11c+ and CD206+ AT macrophages.** Representative histograms of Arg-1 and MGL1/2 expression in AT macrophages positive for CD11c or CD206. Data represents one of 3 experiments.
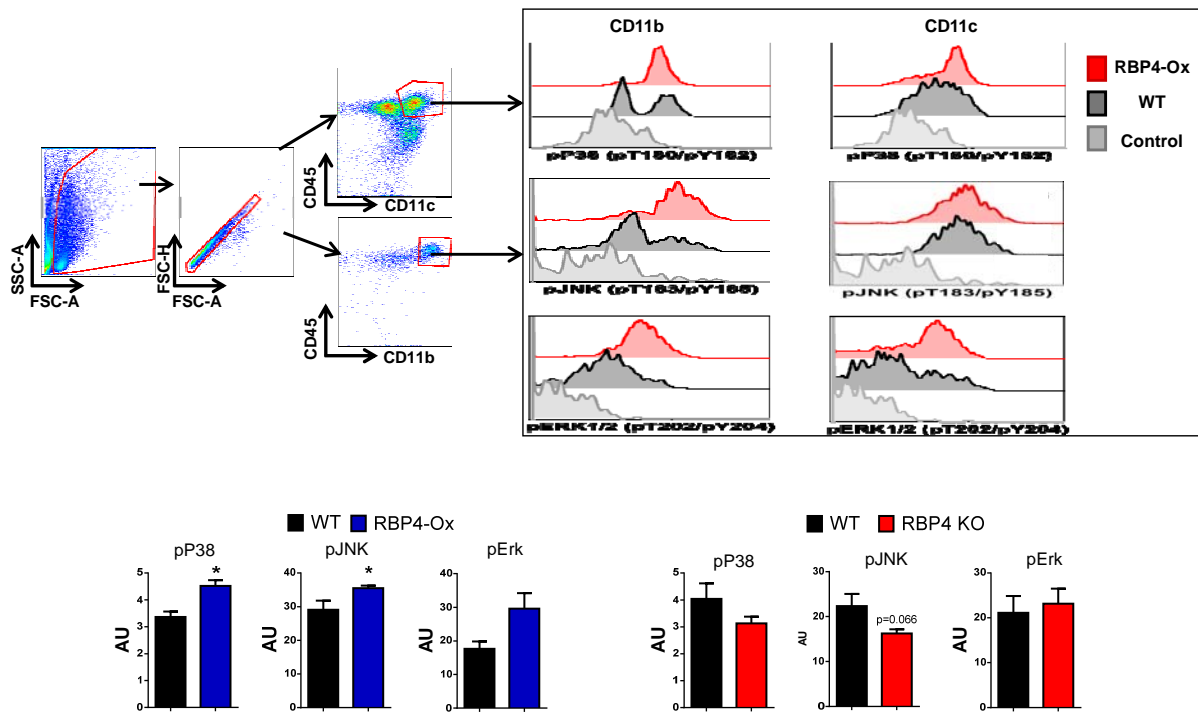
SUPPLEMENTARY DATA

Supplementary Figure 2. **RBP4 deletion results in reduced expression of MHCII and co-stimulatory molecules by AT macrophages.** Gated CD11b$^+$F4/80$^+$CD11c$^+$ CD206$^-$ or CD11b$^+$F4/80$^+$CD11c$^-$CD206$^+$ AT macrophages were evaluated for the expression of MHCII and co-stimulatory molecules (CD80, CD86 and CD40) by flow cytometry. (n=8 mice/group). Values are means ± SEM. $^*$p<0.05 vs all other groups or as indicated. $^#$p<0.05 vs chow mice. MFI: median fluorescence intensity.

SUPPLEMENTARY DATA

Supplementary Figure 3. **RBP4 deletion results in reduced phosphorylation of p38, JNK and Erk in AT CD11c+ cells.** (A) AT stroma vascular fraction was isolated and stained with CD45, CD11b and CD11c. We used the same gating strategy (A) for RBP4-Ox for RBP4 KO and WT mice. The phosphorylation of p38, JNK and Erk was evaluated in gated CD45+CD11b+ and CD45+CD11c+ cells. (B) Normalized p-p38, p-JNK and p-Erk levels in AT C45+CD11c+ cells from RBP4-Ox, RBP4 KO and WT mice (n=4 mice/group).  Values are means ± SEM. *p<0.05.

SUPPLEMENTARY DATA

Supplementary Figure 4. **Perigonadal (Pg) fat pad weight, adipocyte number and adipocyte size.** Pg fat pad weigh was determined in WT and RBP4-Ox male mice, 30 weeks old. Adipocyte were isolated and prepared and number and size were determined as described in Methods. n=4 mice/group. Pg: perigonadal fat.