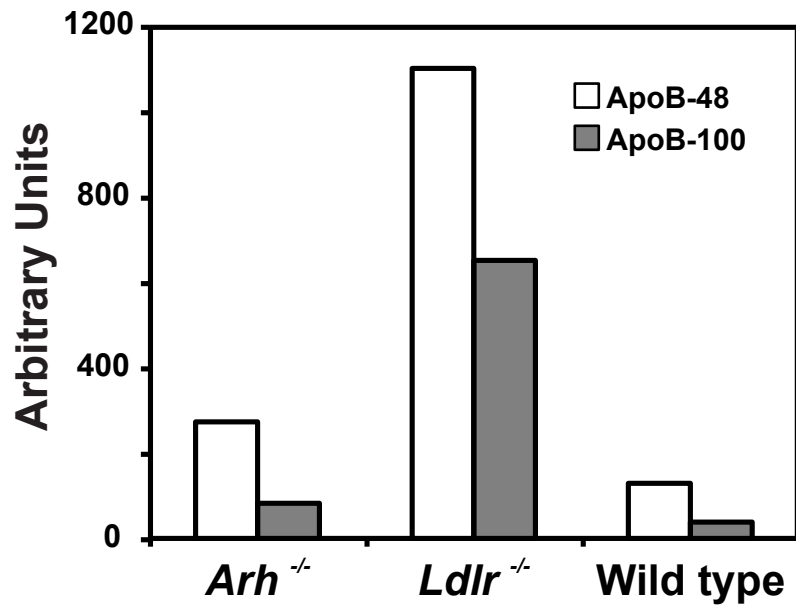
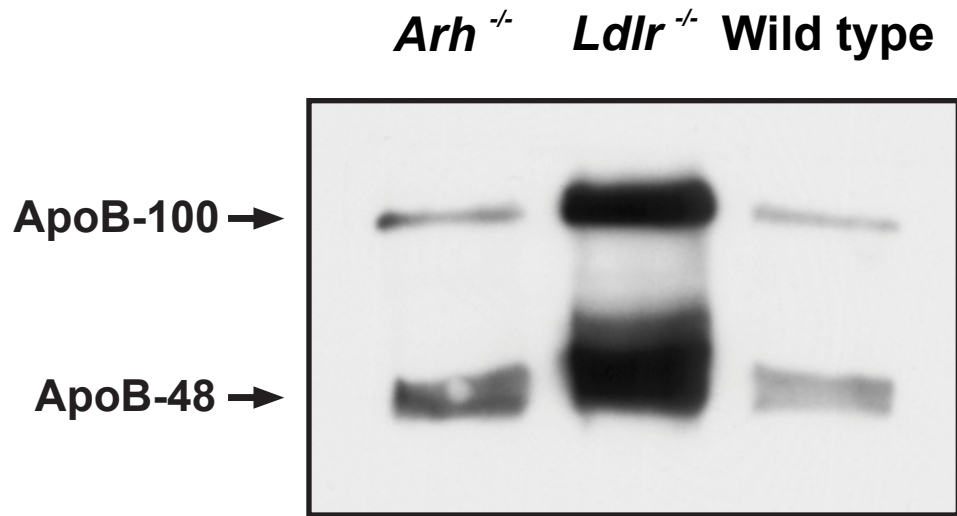
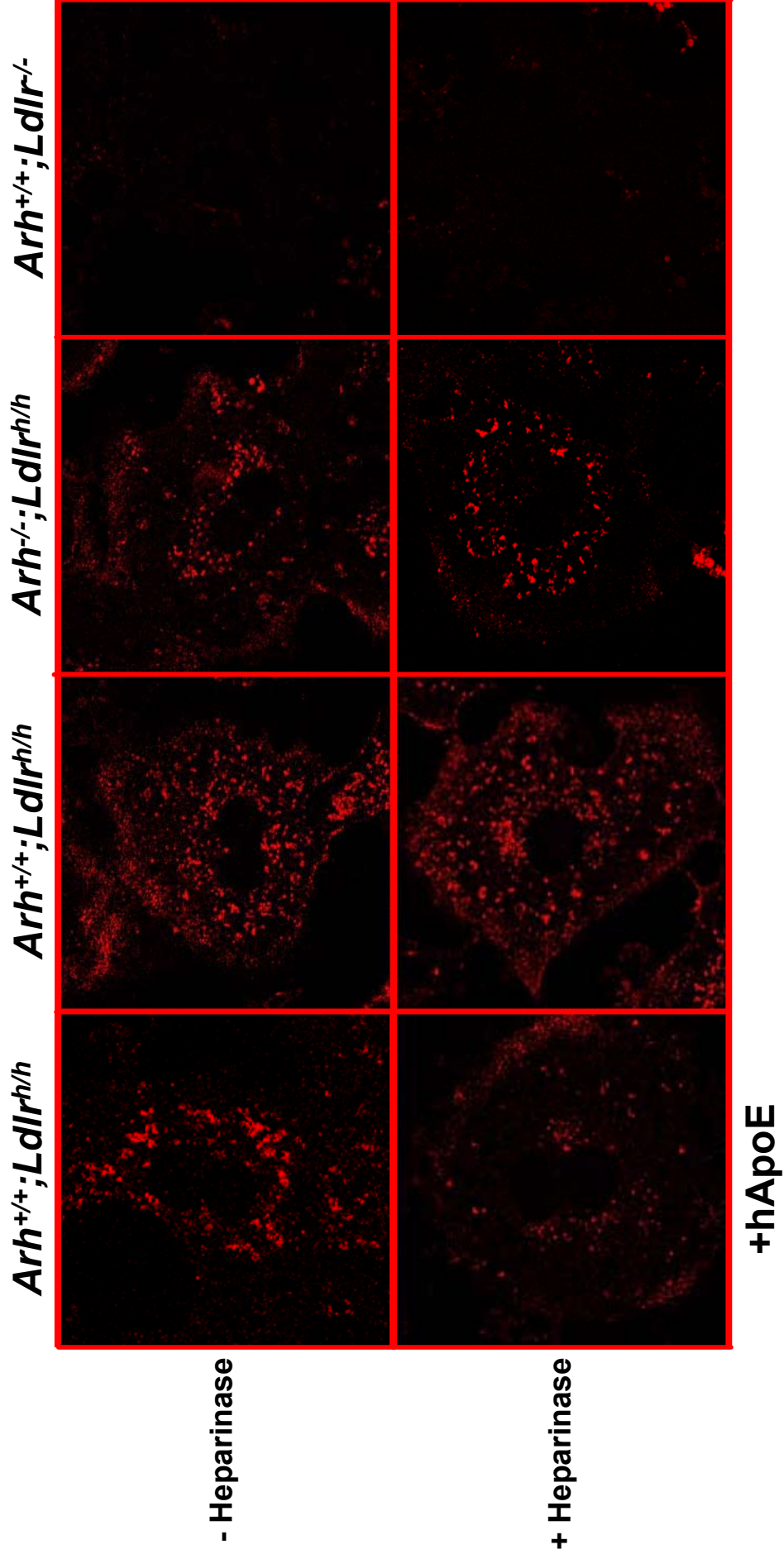


Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 1

Plasma apo-B48 and apo-B100 in *Arh*^{-/-}, *Ldlr*^{-/-}, and wild type mice.

Chow-fed male *Arh*^{-/-}, *Ldlr*^{-/-}, and wild type mice (n=4) aged 18-22 weeks were fasted for six hours prior to collection of blood via retro-orbital puncture. Plasma samples were pooled, and the proteins were precipitated with trichloroacetic acid. The resulting pellet was washed with ice-cold acetone and subjected to 5% SDS PAGE. Apo-B was detected by western blotting. Scanning densitometry was used to determine the relative amounts of apo-B48 and apo-B100 in each sample.

Supplementary Figure 2

Heparin sulfate proteoglycans are not required for VLDL internalization in the absence of ARH. Primary hepatocytes were isolated from *Arh*^{+/+};*Ldlr*^{h/h}, *Arh*^{-/-};*Ldlr*^{h/h}, and *Ldlr*^{-/-} mice and incubated overnight in DMEM containing 5% lipoprotein-deficient serum. The following morning the hepatocytes were incubated at 37°C for 1 h with fresh DMEM medium containing 5% HLPPS with or without 5 unit/ml heparinase. DiI-labeled β -VLDL (10 μ g/ml) was added to the cells and incubated at 37°C for 2 hours. The cells were then washed with cold PBS-T and processed for microscopy as described in the Methods. Apo-E-enriched β -VLDL were used as a positive control for heparinase activity.