Supplemental Information

Maitin et al.; Docosahexaenoic Acid Impairs the Maturation of Very Low Density Lipoproteins in Rat Hepatic Cells

METHODS

Confocal microscopy

McA cells were incubated for 4h in presence of BSA, OA (0.6 mM), or DHA (0.6 mM) +/- DFX (100 uM). Cells were fixed with PFA, permeabilized with Saponin 0.05% and immunostained with goat anti apoB (AB742; Millipore) at 1:250, and rabbit anti-LAMP1 (ab19294; Abcam) at 1:200 for 1h. The staining was revealed after incubation with anti-goat antibody conjugated with Alexa-fluor 488 and anti-rabbit antibody conjugated with Alexa-fluor 594 from Invitrogen directed against the specific species. The stained cells were mounted using Vectashield mounting medium containing DAPI and examined with a TCS-SP confocal Inverted LSM 510 laser scanning microscope (Zeiss).

Figure Legend

Fig S1. *DFX prevents apoB co-localization with lysosomes*. McA cells were incubated for 4h in presence of BSA, OA (0.6 mM), or DHA (0.6 mM +/- DFX; 100 uM). Cells were fixed, permeabilized, and immunostained for apoB (green) and LAMP1 (red). Images were acquired by confocal microscopy. Magnification: X320, with X1000 for the highlighted areas.

Figure S1