Supplementary Material

Supplementary Figure S1: Confocal immunofluorescence microscopy of S1P receptor expression in angle tissues of the C57BL/6 mouse eye. Slides containing frozen sections of mouse eyes (10 µm; embedded in OCT) were probed with polyclonal antibodies raised against peptides that correspond to carboxyl terminus of human S1P receptors 1 (sc-25489), 2 (sc-30024) and 3 (sc-25491), but cross react with mouse. Binding of primary antibodies to mouse tissues was visualized using goat anti-rabbit antibodies conjugated to DyLight that were excited and fluorescence signals digitally captured by a Leica SP5 confocal microscope. Images from all sections were recorded during the same session using identical confocal settings. As a positive control for tissue quality and localization of Schlemm’s canal endothelia (asterisks), slides containing mouse eye sections were probed with monoclonal antibodies that specifically recognize PECAM-1, followed by goat anti-mouse secondary antibodies conjugated to DyLight. As a negative control, some slides containing mouse sections were probed only with goat anti-rabbit antibodies conjugated to DyLight (2).