Supplementary Figure S9. SERPINA3K had no effect on catalase expression in the OIR and hypoxia models. (A) OIR rats received an intravitreal injection of SERPINA3K (10 µg/eye) into the right eye at P14 and the same amount of BSA into the contralateral eyes. Retinal catalase levels were measured by Western blot analysis using an antibody specific for catalase at P16. (B) rMC-1 cells were cultured with 200 µM CoCl₂ in the absence or presence of 100 nM SERPINA3K for 24 h. Western blot analysis was performed to measure catalase levels. (C & D) Densitometry showed that catalase levels in the OIR rat retinas (mean±SD, n=4) (C) and the CoCl₂-treated rMC-1 cells (mean±SD, n=3) (D) did not show significant changes in the presence of 100 nM SERPINA3K. ‘NS’ P>0.05, versus the BSA control.