SUPPLEMENTARY FIGURES



Supplementary Figure 1. Age-dependent changes of the connexins Cx46 and Cx50 in lens fiber cells of different age groups of S129 mice as determined by regular western blot analysis. (A) Western blot results of the connexins Cx46 and Cx50 in lens fiber cells of different age groups extracted with SDS buffer. Lanes 1–3 represent lens fiber samples from three 2M S129 mice, lanes 4–6 represent lens fiber samples from three 12M S129 mice. α -Actinin was showed as a loading control. (B) Quantification results show age-dependent changes of the connexins Cx46 and Cx50 in the mouse lens fiber cells of different age groups as determined in (A). 2M: 2-month, 12M: 12-Month; *p < 0.05, ***p < 0.001.







Supplementary Figure 3. Expression Patterns of the connexins Cx46 and Cx50 in lens fiber cells of wild type (WT) and α B knockout (α B-/-) mice as determined by regular western blot analysis. (A) Western blot results of the connexins Cx46 and Cx50 in the lens fiber cells of wild type (WT) and α B knockout (α B-/-) mice. (B) Quantification results show the connexins Cx46 and Cx50 in the lens fiber cells of wild type (WT) and α B knockout (α B-/-) mice as determined in (A). NS, not significant.