

Supplementary data

The Role of Transthyretin in Oligodendrocyte Development

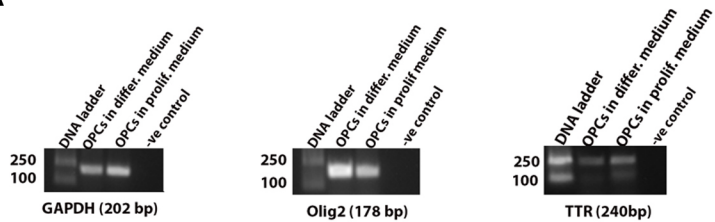
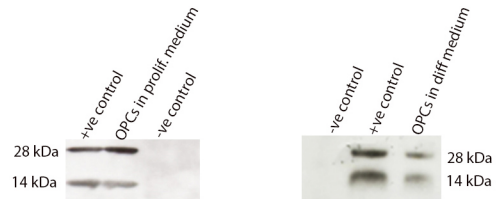
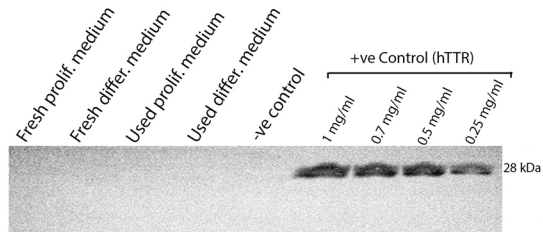
Bandar Alshehri, Maurice Pagnin, Jae Young Lee, Steven Petratos and Samantha J. Richardson

Supplementary FIGURE 1: TTR is synthesized in proliferating and differentiating OPCs.

To determine if OPCs in proliferating and maturing cell lines synthesise TTR, human OPCs derived from NIH approved H9 human embryonic stem cells were analysed. **(A)** TTR mRNA was detected in proliferating and in differentiating OPCs derived from NIH approved H9 hESCs. GAPDH cDNA was used as the internal control. Olig2 cDNA was used as the oligodendroglial cell marker. TTR cDNA was detected in both proliferating and differentiating oligodendroglial cells. The DNA template was omitted in negative control reactions. The relative ratio of TTR cDNA bands was calculated and normalized to the GAPDH bands.

(B) Western blot analysis revealing TTR in OPCs derived from NIH approved H9 hESCs. Left panel: TTR in protein extracted from OPCs cultured in proliferation media. Right panel: TTR in protein extracted from OPCs cultured in differentiation media. Human albumin was used as the negative control and human TTR was used as the positive control for both experiments.

(C) Western blot analysis of media collected from oligodendroglial cells that had been proliferating (left panel) or differentiating (right panel). Media had been concentrated 20-fold prior to western analysis. TTR was not detected in the concentrated media.

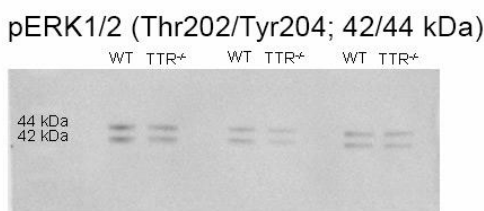
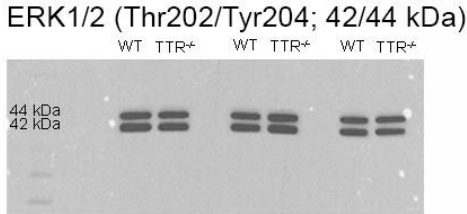
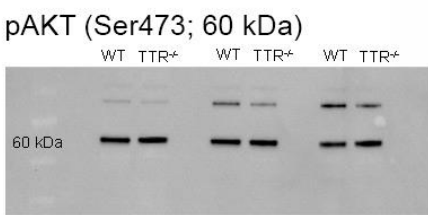
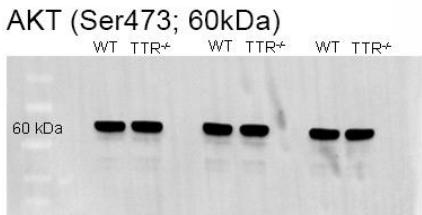
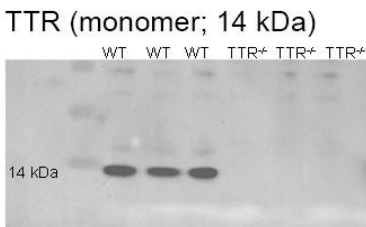
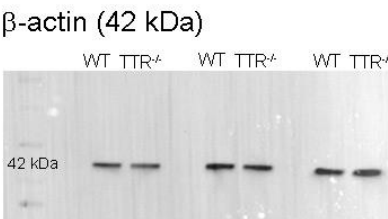
A**B****C**

Supplementary figures

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Western blots



Immunoprecipitation

