Supplementary Materials

Alleviation of mutant TDP-43-mediated neuropathology by inducible stem cells in monkeys

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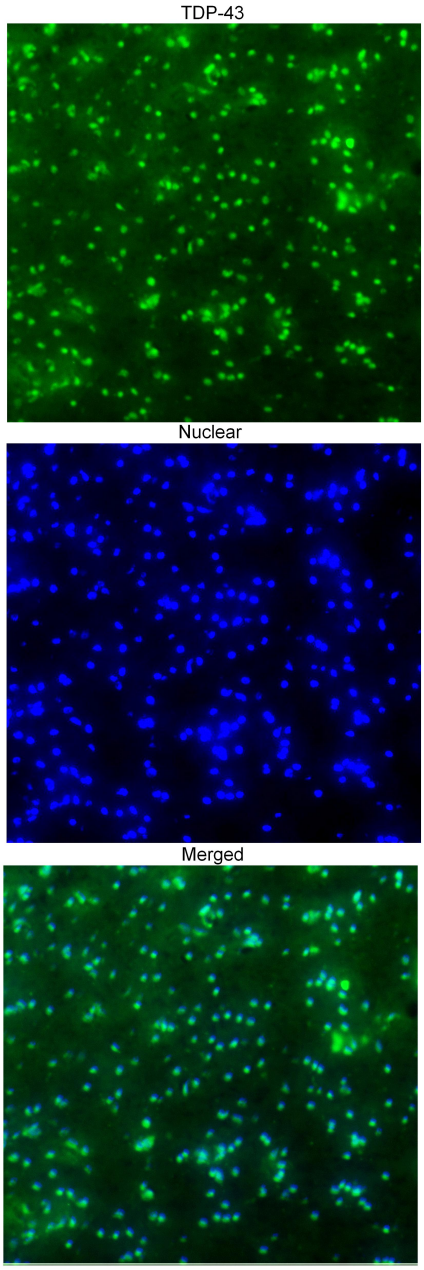
Supplementary Figures

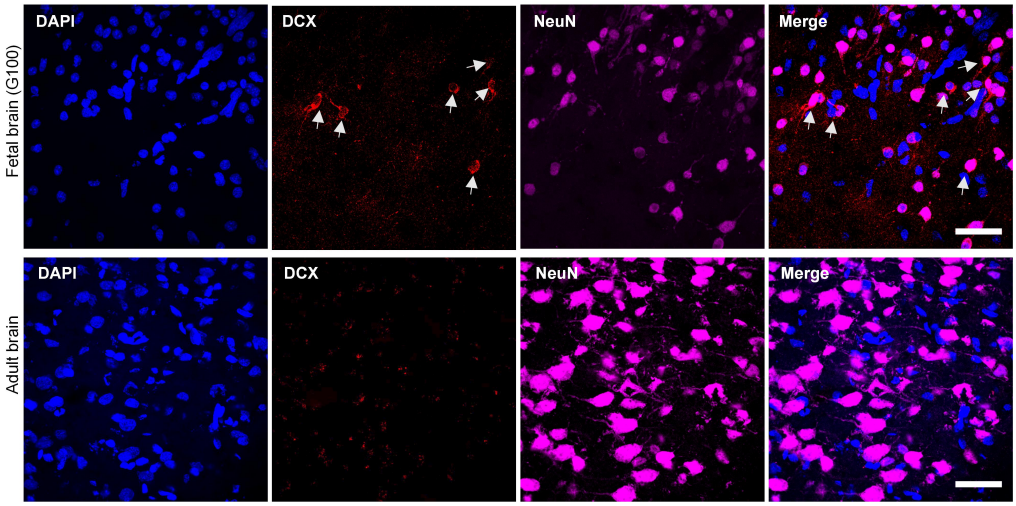
Supplementary Figure 1



Supplementary Figure 1. Nuclear distribution of endogenous TDP-43 in the monkey brain

The striatum of wild type monkey was stained with the anti-TDP-43 (G400). The nucleus were labeled by DAPI.

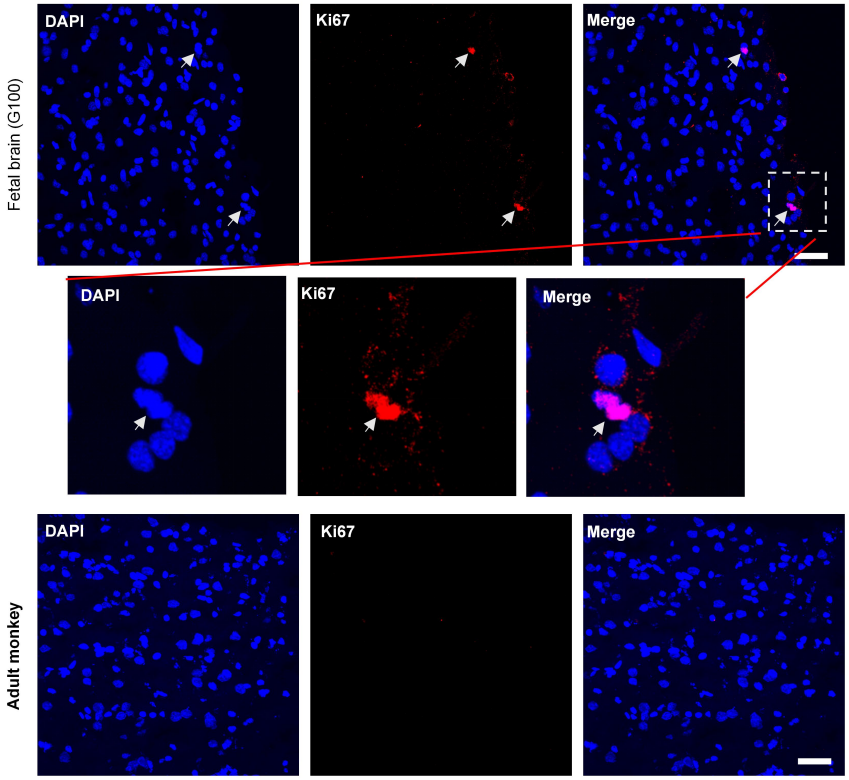
Supplementary Figure 2



Supplementary Figure 2. DCX expression (arrows) is minimal in the cortical regions of fetal monkey brains at approximately 100 days of gestation (~G100) and undetectable in adult monkeys aged seven year

The cortical regions of ~G100 and adult monkey were stained with the anti-DCX and anti-NeuN antibodies, The nuclei were labeled by DAPI. Scale bar, 40 μm.

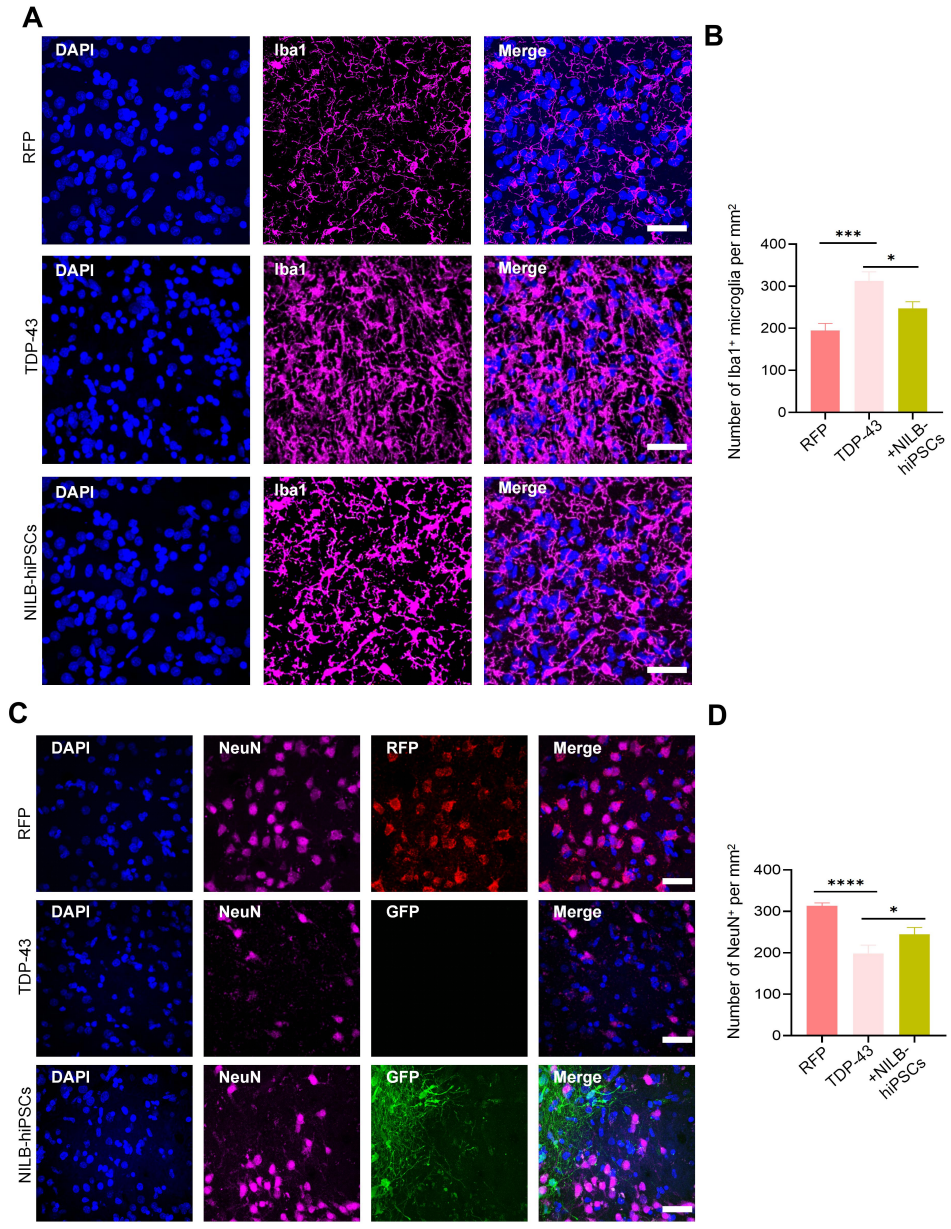
Supplementary Figure 3



Supplementary Figure 3. Ki67 expression (arrows) is minimal or undetectable in the cortical regions of fetal monkey brains at approximately 100 days of gestation (~G100) and in adult monkeys aged seven years

The cortical regions of ~G100 and adult monkey were stained with the anti-Ki67 antibodies, The nuclei were labeled by DAPI. Scale bar, 40 μm.

Supplementary Figure 4



Supplementary Figure 4. NILB-hiPSCs treatment effectively reduces neuroinflammation levels and mitigates neuronal loss

(A) Representative immunofluorescent fluorescent images of the striatum form TDP-43 or RFP injected monkey. Antibodies for Iba1 and DAPI were used. Scale bar, 40 μm. (B) Quantitative assessment of Iba1-positive cells. (C) Representative immunofluorescent fluorescent images of the striatum from AAV-TDP-43 or RFP injected monkey. Antibodies for NeuN, GFP, RFP, DAPI were used. (D) Quantitative

assessment of NeuN-positive cells . One-way ANOVA revealed statistical significance (*P < 0.05, **P < 0.01, ****P < 0.0001). Data are presented as mean ± SEM (n=3). Scale bars, 40 μm.