



SUPPLEMENTAL FIGURE 1 Validation of Aqp4 antibody. **(A, B)** micrographs of human control brain tissue immunolabeled for Aqp4 (green) and co-labeled for CD-31 (red) or S100 (red). **(C, D)** micrographs of rat control brain tissue immunolabeled for Aqp4 (green) and co-labeled for RECA-1 (red) or GFAP (red); co-labeling is indicated by yellow hue; Aqp4 immunoreactivity was present surrounding cerebral vessels in human tissue **(A)** and rat tissue **(C)**, and was localized to astrocyte endfeet, but not astrocyte somata in human tissue **(B)** and in rat tissue **(D)**. Scale bar 20 μ m. **(E)** Aqp4 immunoblot showing M23 and M1 Aqp4 isoforms in monomer form at ~26-29 kDa and in dimer form at ~40-50 kDa, and Mz Aqp4 isoform at ~33 kDa, demonstrating specificity of anti-Aqp4 antibody