



Supplemental Figure 1. Temporal profile of GFAP protein levels and cleavage in the hippocampus following status epilepticus (SE). (A) Representative western blots showing GFAP immunoreactivity in hippocampal homogenates from control (C) rats and rats at 4 hours (4H), 1 day (1D), 3 days (3D), 2 weeks (2W), 3 weeks (3W), and 5 weeks (5W) post-SE. The upper panel shows GFAP bands, including the full-length protein (~50 kDa) (Blue arrow) and lower-molecular-weight cleavage fragments (arrowheads). The lower panel shows GFAP with GAPDH (red arrow) as a loading control (uncropped). GAPDH antibodies were added after GFAP immunoblotting was completed. Molecular weight markers (kDa) are indicated on the left. (B) Additional representative blot illustrating GFAP expression in control (CTL) and post-SE time points (1D, 3D, 1W, 2W), with GAPDH as loading control. Increased full-length GFAP and accumulation of cleavage products are evident at later time points after SE.