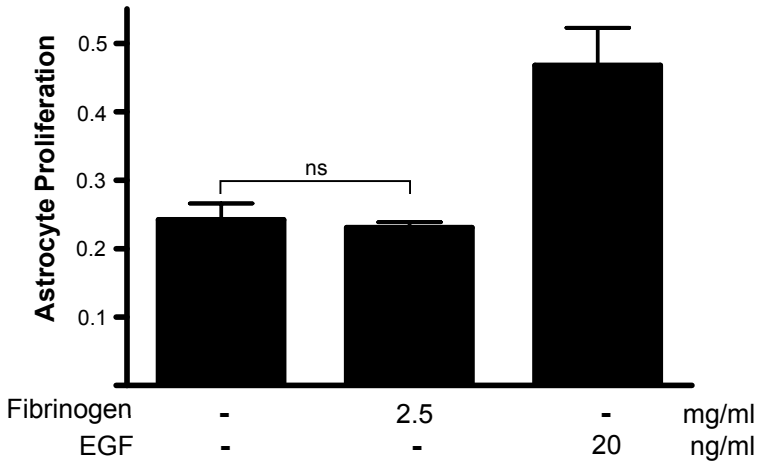
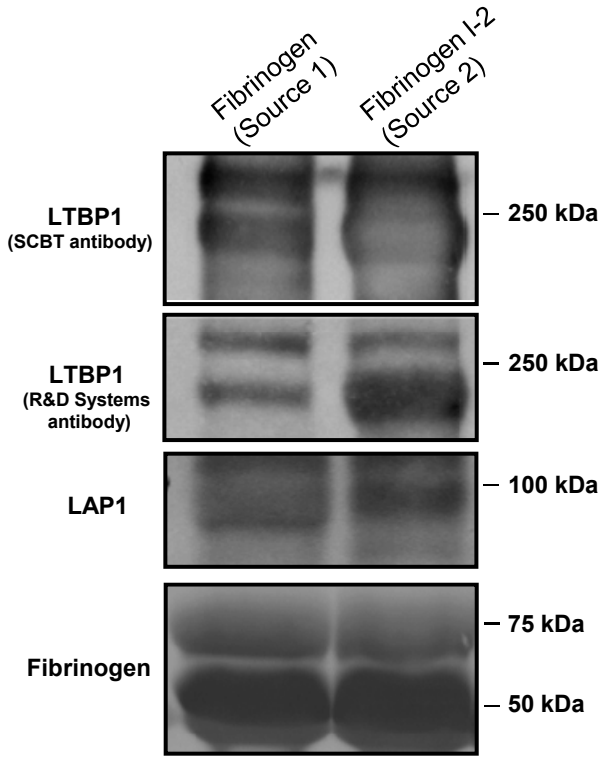
Supplemental Figure 1



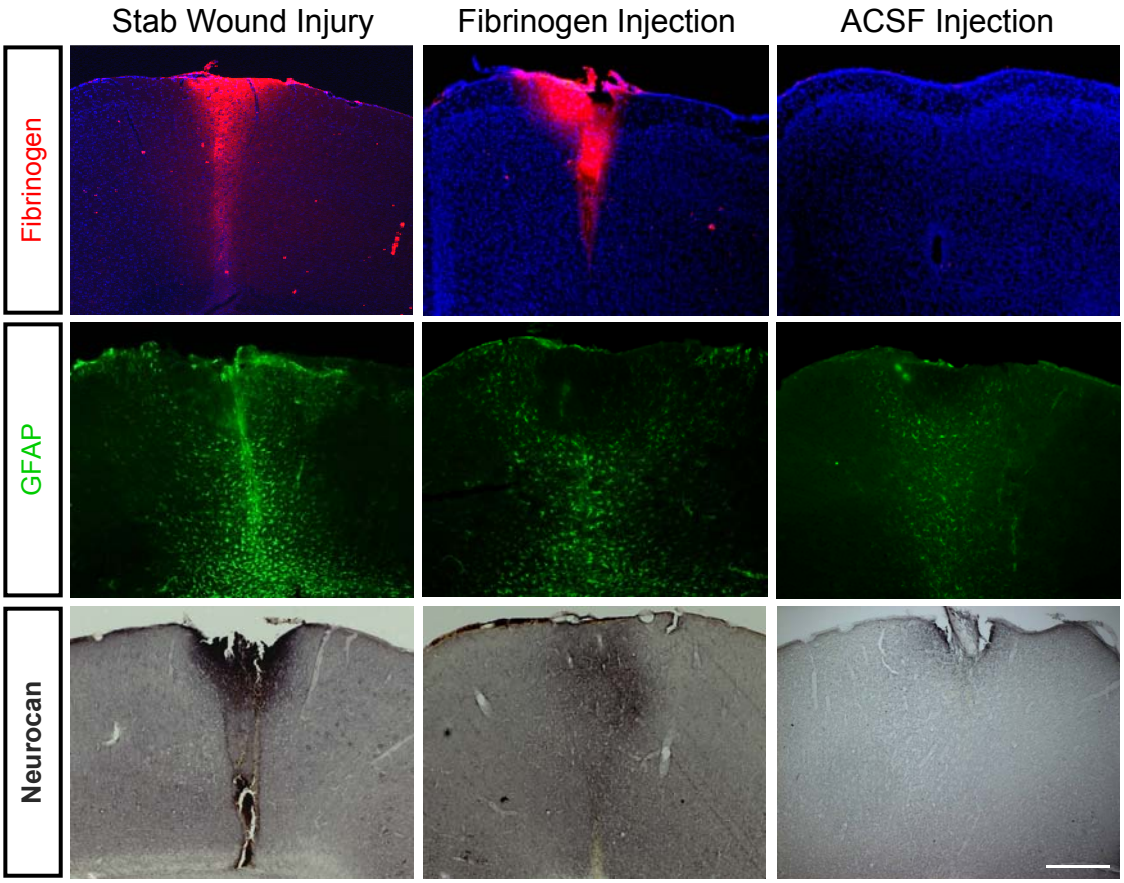
Supplemental Figure S1. Fibrinogen does not change proliferation of primary astrocytes. Quantification of proliferation of primary mouse astrocytes treated for 24 h with fibrinogen. EGF served as a positive control. Results are from two independent experiments performed in duplicates. Values are expressed as means ± SEM. Statistical comparisons between means were made with one-way ANOVA.

Supplemental Figure 2



Supplemental Figure S2. LTBP1 and LAP proteins are present in isolated plasma fibrinogen. Western blotting of human plasma-isolated fibrinogen from Calbiochem (source 1) or isolated in our lab (source 2) revealed the presence of LTBP1 and LAP1. The presence of LTBP1 in two different sources of plasma-isolated fibrinogen was confirmed with monoclonal and polyclonal antibodies against LTBP1.

Supplemental Figure 3



Supplemental Figure S3. Comparison of the effect of SWI with a single fibrinogen injection on fibrin deposition, astrogliosis and neurocan expression. Three days after SWI immunostaining for fibrin (red, top row) showed increased perivascular fibrin deposition compared to a single stereotactic injection of fibrinogen. Fibrin was absent in ACSF-injected mice (top row). Increased astrogliosis and neurocan expression 3 days after SWI compared to fibrinogen injected mice demonstrated by immunolabeling of GFAP astrocytes (green, middle row) and neurocan (brown, bottom row). Astrogliosis and neurocan deposition was absent in ACSF-injected mice. Representative brain sections are shown. Scale bar, 250 µm.