Supplemental Figure 7. Caveolin-1 is expressed in neurons and localizes to dendrites and axons. A, Confocal images of rat hippocampal neurons labeled for caveolin-1 and MAP2 or SV2. Caveolin-1 localizes to MAP2-positive and -negative neurites; arrowhead points to a MAP2-negative process. A pool of caveolin-1 appears in close apposition to SV2-labeled terminals; areas of apposition are indicated by arrows. Boxed regions in images are shown magnified below. B-D, Specificity of anti-caveolin-1 antibodies. (B) Polyclonal (N-20) anti-caveolin-1 recognizes a ~22-24 kDa band in brain extracts from WT but not caveolin-1 null (Cav-1^-/-) mice; tubulin is shown as loading control. C,D, Epifluorescence images taken under same exposure conditions of hippocampal neurons from WT and Cav-1^-/- mice labeled with monoclonal (C) or polyclonal (D) anti-caveolin-1 and anti-MAP2. Scale bars, 10 μm (A,C) and 25 μm (D).