**Supplementary Figure 2**  Expression of NR3A and PACSIN1 in rat brain. (a) *In situ* hybridization shows overlapping expression of NR3A and PACSIN1 mRNAs in the brain of P12 rats. No signal was detected with NR3A or PACSIN1 sense probes (data not shown). SS, somatosensory cortex, V, visual cortex, Amy, amygdala, Thal, thalamus, MG, median geniculate nucleus. (b-i) Immunohistochemical localization of NR3A and PACSIN1. Brain sections from P12 rats were labeled with NR3A (b, d, f, h) or PACSIN1 (c, e, g, i) antibodies and visualized by immunoperoxidase histochemistry. (b, c) Low magnification view of the somatosensory cortex showing somatodendritic staining of both NR3A and PACSIN1 in layers IV and V. Apical dendrites of layer IV-V pyramidal neurons extending onto more superficial layers of the cortex also display NR3A and PACSIN1 immunoreactivity. (d, e) NR3A and PACSIN1 are highly expressed in the amygdala. (f, g) NR3A and PACSIN1 expression is prominent in the subiculum (Sub) and CA1 hippocampal region. Note that NR3A is concentrated in the neuropil, both in basal and apical dendrites of pyramidal neurons, when compared to the more distinct somatic labeling of PACSIN1 (pyramidal cell layer is indicated by arrows) (i). High magnification views show labeling of NR3A (h) and PACSIN1 (i) in CA1 pyramidal neurons. Scale bars, 200 µm in (b-g), 20 µm in (h,i).