Suppl. Figure 1  Classification of hippocampal neural progenitor cells (NPCs), neuroblasts and granule cells on the basis of their voltage-current characteristics in brain slices. Whole-cell recordings from type 1 (A) and type 2 (B) NPCs, neuroblasts (B), as well as immature (D) and mature granule cells (E) are shown. (a) Hyper- and depolarizing current pulses of increasing amplitudes were injected into the respective cells at the resting membrane potential (see Methods Section). (b) Voltage steps of increasing amplitudes were delivered from the holding potential of -80 mV (see Methods Section). (c) I/V patterns at the initial transient (filled circle) and late steady-state (empty circles) current amplitudes of the original tracings (c). Recordings from individual cells are documented in each panel. (F) Recording arrangement from the subgranular zone of the dentate gyrus (DG) under light microscopic observation. (E) Fluorescent microscopic image during recording from the subgranular zone. The white arrow points to the cell we have recorded from.
Suppl. Figure 1