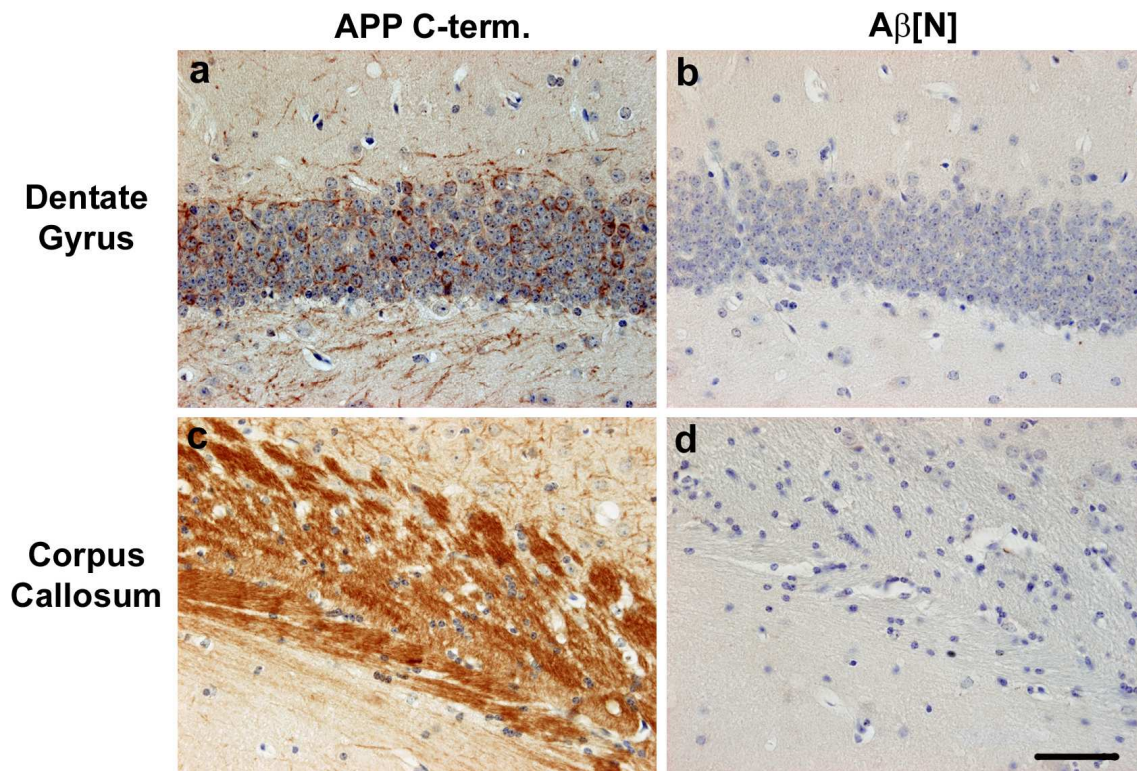


Supplementary Fig. 1: Christensen et al., Accumulation of intraneuronal A β correlates with ApoE4 genotype



In order to rule out a cross-reaction of the A β [N]-antibody with APP β -cleaved C-terminal fragments (β -CTFs), SPA4CT transgenic mice overexpressing β -CTFs (Rutten et al., 2003) were stained with a C-terminal APP antibody (1:500, Synaptic Systems, Goettingen, Germany), as well as with A β [N] (1:200, IBL, Hamburg, Germany). Staining with the APP C-terminal antibody revealed strong immunoreactivity in dentate gyrus granule cells (**a**), as well as in axonal fiber tracts like the corpus callosum (**c**). Staining with the A β [N] antibody, applied in the same concentration as in human post-mortem tissue, did not show any immunoreactivity (**b**, **d**) clearly demonstrating that this antibody does not detect APP C-terminal fragments by means of immunohistochemistry in formalin-fixed and paraffin-embedded tissue. Scale bar: 50 μ m

Reference:

Rutten, B.P., Wirths, O., Van de Berg, W.D., Lichtenthaler, S.F., Vehoff, J., Steinbusch, H.W., Korr, H., Beyreuther, K., Multhaup, G., Bayer, T.A., Schmitz, C. 2003. **No alterations of hippocampal neuronal number and synaptic bouton number in a transgenic mouse model expressing the beta-cleaved C-terminal APP fragment.** *Neurobiol Dis* 12(2), 110-20.