

Supplementary information

Non-ketogenic combination of nutritional strategies

allows robust protection against seizures

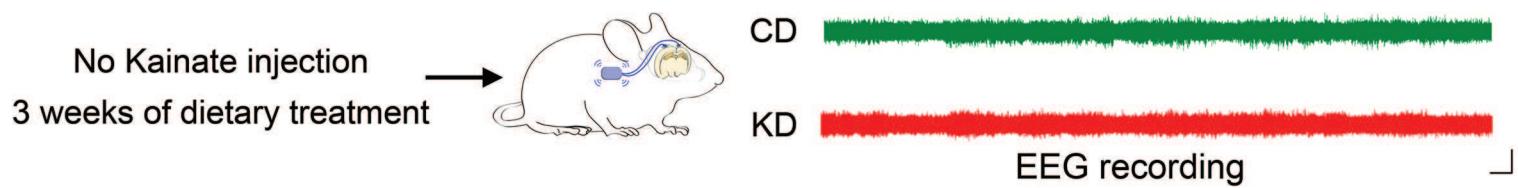
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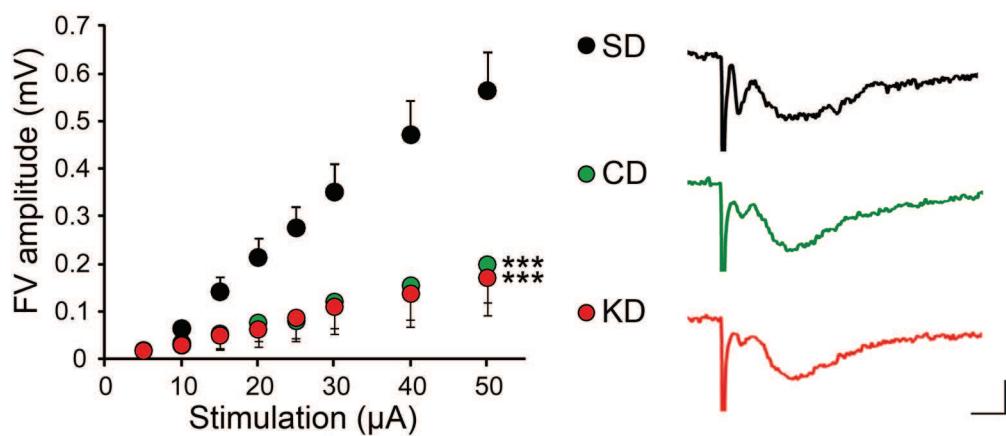
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Supplementary information



Supplementary Figure 1: CD and KD diets do not induce epileptiform activities.
Mice fed for 3 weeks with CD ($n=4$) or KD ($n=4$) did not show any EEG-detected seizures.
Traces show examples of 4 hours baseline EEG recordings. Calibrations: 10min, $100\mu V$.



Supplementary Figure 2: CD and KD diets induce a reduction in excitability in the epileptic hippocampus. Analysis of the fibre volley amplitude as a function of stimulation intensity revealed a significant reduction in presynaptic excitability of CD and KD fed mice as compared to controls fed with SD ($n=7$ in each group; $p<0.001$ for both CD and KD). Calibrations bars: 5ms, 0, 2mV. * $p<0.001$.