New perspectives on understanding, preventing and treating vascular dementia

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CCR5 expression in response to oxidative stress is mediated by NF-κB. (A) Upper: Schematic overview of the murine Ccr5 gene. Blue boxes represent introns, pink boxes exons, and yellow boxes (A and B) putative NF-κB/p65 binding elements. Lower: Chromatin immunoprecipitation using an NF-κB/p65 antibody of wild-type neurons after H₂O₂ (30μM) or vehicle (Ct) treatment. The input samples represent equal fractions of DNA extract collected prior to
immunoprecipitation. (B) Ccr5 mRNA levels measured by real-time PCR in wild-type neurons pretreated with the NF-κB inhibitor BAY 11-7082 and treated with H₂O₂ (30μM). *p

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