Role of nuclear factor κB in the central nervous system

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Abstract:
The aim of this review was to assemble current literature data on nuclear factor kappa B (NF-κB). Many authors believe that NF-κB, a transcription factor, has essential influence on the regulation of numerous genes in the organism. In this review, we have focused on the role of NF-κB and its target genes in the central nervous system functioning. Unfortunately, the contribution of NF-κB to neuroprotection or to neurodegeneration is not clear, yet. Therefore, its exact role in these processes and potential applications in pharmacology are still to be determined.

Key words:
NF-κB, neuroprotection, neurodegeneration