号通路促进 NSPC 向神经元分化,并抑制星形胶质细胞形成。

本研究通过建立共培养体系观察 DCs 对 NSPCs 分化的影响,结果提示 DCs 与 NSPCs 共培养时 NT-3 表达量增高,通过 NT-3 激活 MEK-ERK 信号通路诱导 NSPCs 向神经元分化。而对于共培养体系下其他神经营养因子的作用和其他信号通路,如 AKT-IP3 信号通路对 NSPCs 的存活、增殖、分化的作用还有待进一步研究。

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