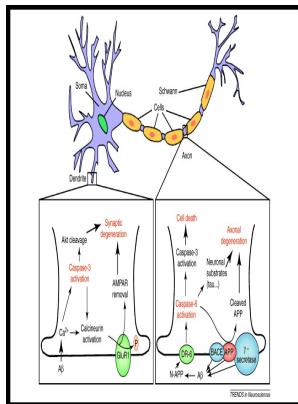


Role of caspase-3 in regulating neurotrophic and NMDA-dependent PCD in the mammalian CNS in vivo

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1. Introduction

In addition to the BIR domains, c-IAP1, c-IAP2, and XIAP contain a highly conserved RING domain at their C-terminal end which possesses E3 ubiquitin ligase activity.

Excitotoxic and excitoprotective mechanisms

Meier P, Finch A, Evan G 2000 Apoptosis in development. The ER also contains several Bcl-2-binding proteins, and Bcl-2 has been reported to exert part of its cytoprotective effect within the ER.

Ex vivo imaging of active caspase 3 by a FRET

When extracellular ligands such as Fas ligand, TNFa or TRAIL TNF-related apoptosis-inducing ligand bind to their receptors, the intracellular death domains of these receptors recruit adaptor proteins such as FADD and TRADD and initiator caspase-8 and -10.

Regulation of caspase

Similar effects are observed when neurotrophic factors or tissue extracts are exogenously administered to chicken embryos *in ovo* , ,

Pro

Recently, stem cells have been identified in at least two areas of mammalian brain.

Expanding roles of programmed cell death in mammalian neurodevelopment

Raoul is a recipient of a scholarship from the Ministère de l'Éducation Nationale, la Recherche et la Technologie MENRT. Cell division in

eukaryotes is different from that in organisms without a nucleus Prokaryote.

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