Activation of caspases through apoptosome-mediated cleavage

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20/02/2020
Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformatics seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references


Reactome database release: 71

This document contains 1 pathway and 2 reactions (see Table of Contents)
Activation of caspases through apoptosome-mediated cleavage

Stable identifier: R-HSA-111459

Compartments: cytosol

Pro-caspase-3 and 7 are cleaved by the apoptosome.

Literature references


Editions

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<td>2018-09-25</td>
<td>Reviewed</td>
<td>Matthews, L.</td>
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Cleavage of Procaspase-3 by the apoptosome

**Location:** Activation of caspases through apoptosome-mediated cleavage

**Stable identifier:** R-HSA-114252

**Type:** transition

**Compartments:** cytosol

Caspases-3 and -7 are directly cleaved downstream of caspase-9 in the cytochrome c/Apaf-1-inducible caspase cascade (Slee et al., 1999).

**Literature references**


**Editions**

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Cleavage of Procaspase-7 by the apoptosome

Location: Activation of caspases through apoptosome-mediated cleavage

Stable identifier: R-HSA-114261

Type: transition

Compartments: cytosol

Caspases-3 and -7 are directly cleaved downstream of caspase-9 in the cytochrome c/Apaf-1-inducible caspase cascade (Slee et al., 1999).

Literature references


Editions

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