

Caspase 3-mediated cleavage of PKC delta

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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 bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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- Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res*, 46, D649-D655. [↗](#)
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Reactome database release: 88

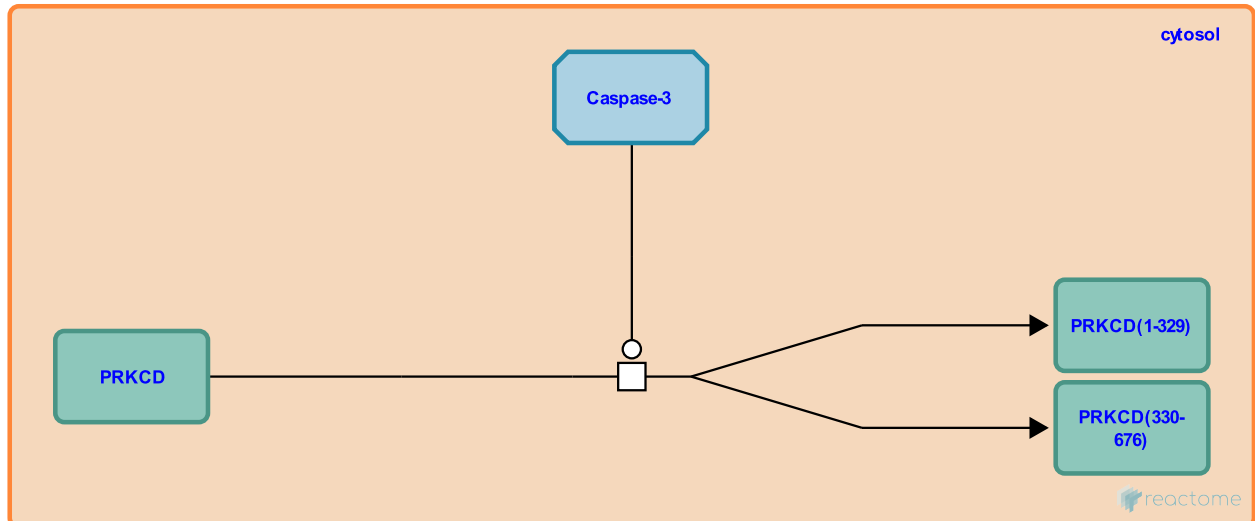
This document contains 1 reaction ([see Table of Contents](#))

Caspase 3-mediated cleavage of PKC delta [↗](#)

Stable identifier: R-HSA-212552

Type: transition

Compartments: cytosol



Caspase mediated cleavage produces a constitutively active kinase that induces apoptosis (Ghayur et al.,1996).

Literature references

Wong, W., Ghayur, T., Huang, Y., Ratnofsky, S., Hugunin, M., Emoto, Y. et al. (1996). Proteolytic activation of protein kinase C delta by an ICE/CED 3-like protease induces characteristics of apoptosis. *J Exp Med*, 184, 2399-404. [↗](#)

Editions

2007-09-03	Edited	Matthews, L.
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