

Ubiquitination of Securin by phospho- APC/C:Cdc20 complex

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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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Reactome database release: 75

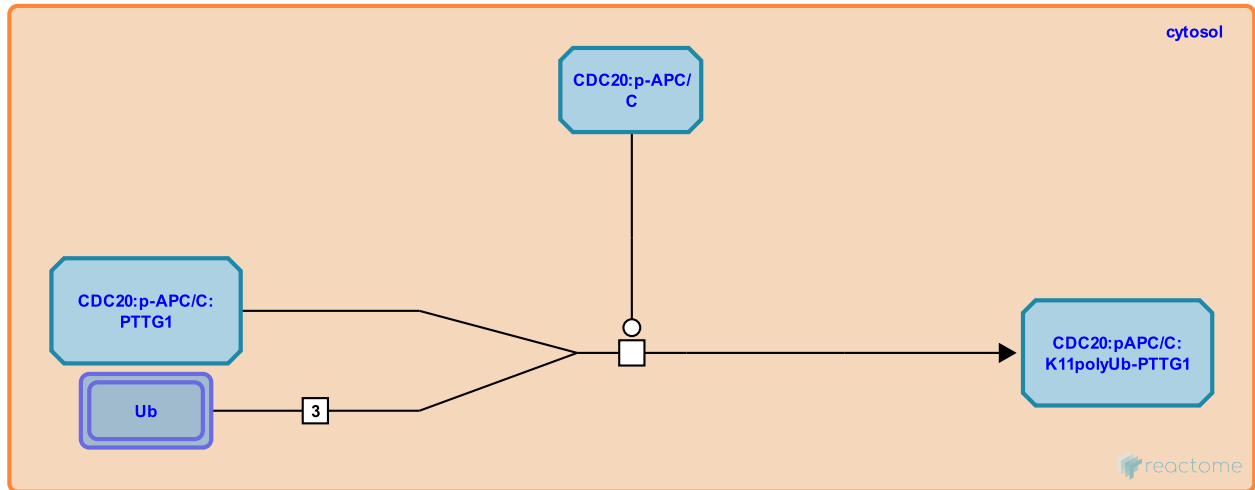
This document contains 1 reaction ([see Table of Contents](#))

Ubiquitination of Securin by phospho-APC/C:Cdc20 complex ↗

Stable identifier: R-HSA-174144

Type: transition

Compartments: cytosol



Securin is ubiquitinated by APC/C:Cdc20 (Hagting et al., 2002; Jin et al. 2008).

Literature references

Hagting, A., Den Elzen, N., Vodermaier, HC., Waizenegger, IC., Peters, JM., Pines, J. (2002). Human securin proteolysis is controlled by the spindle checkpoint and reveals when the APC/C switches from activation by Cdc20 to Cdh1. *J Cell Biol*, 157, 1125-37. ↗

Jin, L., Williamson, A., Banerjee, S., Philipp, I., Rape, M. (2008). Mechanism of ubiquitin-chain formation by the human anaphase-promoting complex. *Cell*, 133, 653-65. ↗

Editions

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