

Phosphorylation of Cdc25C at Ser216 by

CHEK2

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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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Stable identifier: R-HSA-75809

Type: transition

Compartments: nucleoplasm



Cdc25C is negatively regulated by phosphorylation on Ser 216, the 14-3-3-binding site. This is an important regulatory mechanism used by cells to block mitotic entry under normal conditions and after DNA damage (Chaturvedi et al, 1999; Bulavin et al., 2003).

Literature references

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Editions

2004-02-11	Authored	Sanchez, Y.
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