

Phosphorylation of E2F1/E2F3 by Cyclin

A:phosph-Cdk2(Thr 160)

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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: 88

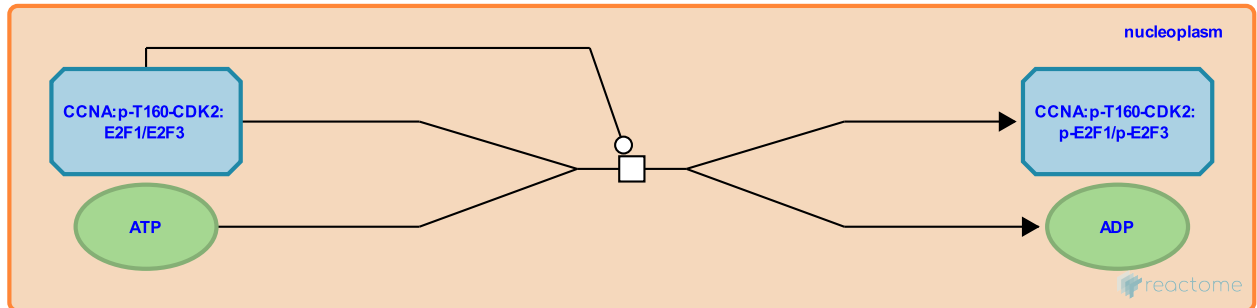
This document contains 1 reaction ([see Table of Contents](#))

Phosphorylation of E2F1/E2F3 by Cyclin A:phosph-Cdk2(Thr 160) ↗

Stable identifier: R-HSA-187959

Type: transition

Compartments: nucleoplasm



In G2 Cdk2, in association with cyclin A, phosphorylates E2F1 and E2F3 resulting in the inactivation and possibly degradation of these two transcription factors (Dynlacht et al., 1994; Krek et al., 1994).

Literature references

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Editions

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