G2 Phase

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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


Reactome database release: 79

This document contains 1 pathway and 2 reactions (see Table of Contents)
G2 Phase

Stable identifier: R-HSA-68911

This is one of two 'gap' phases in the standard eukaryotic mitotic cell cycle. It is the interval between the completion of DNA synthesis and the beginning of mitosis. Protein synthesis occurs in this phase, following DNA replication in the S phase. This is the time when the cell stockpiles on the cytoplasmic contents, before mitosis and cytokinesis occur (Mitchison 2003, Kaldis 2016).

Literature references


Editions

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Orlic-Milacic, M.
Association of Cyclin A:phospho-Cdk2(Thr 160) with E2F1/E2F3

Location: G2 Phase

Stable identifier: R-HSA-187937