

# **Kinetochore assembly**

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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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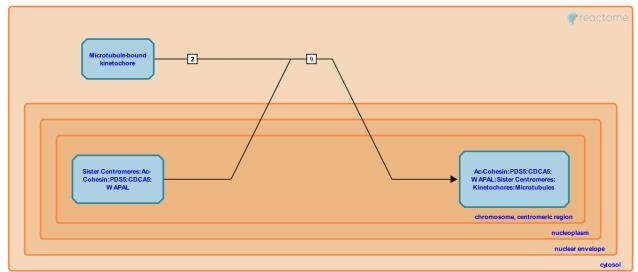
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#### Kinetochore assembly **7**

Stable identifier: R-HSA-2484822

Type: omitted

#### Compartments: chromosome, centromeric region, cytosol



The kinetochore assembly on centromeres of replicated chromosomes is completed by mitotic prometaphase. Some kinetochore components are associated with centromeres throughout the cell cycle while others associate with centromeres during mitosis. The sequential kinetochore assembly and kinetochore dynamics is not shown here. For a review of this process, please refer to Cheeseman and Desai 2008.

#### Literature references

Cheeseman, IM., Desai, A. (2008). Molecular architecture of the kinetochore-microtubule interface. *Nat Rev Mol Cell Biol, 9*, 33-46.

#### **Editions**

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